

**FREE PHOTOGRAPHERS' RIGHTS LENS CLOTH**

amateur

Saturday 10 July 2010

# Photographer

FOR EVERYONE WHO LOVES PHOTOGRAPHY, EVERY WEEK!

www.amateurphotographer.co.uk

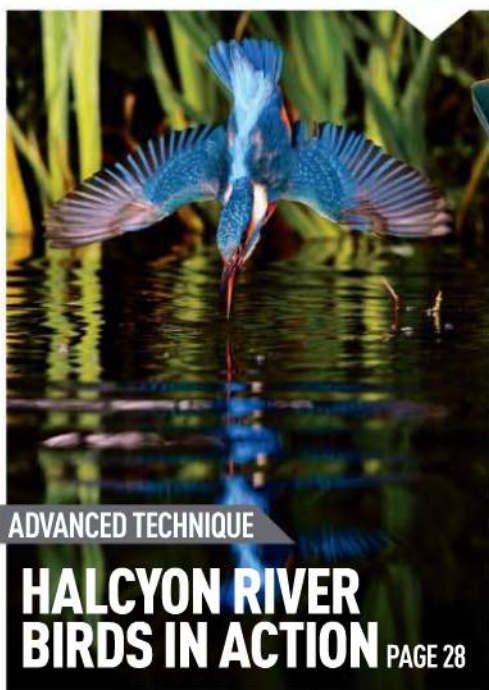


## COASTAL LANDSCAPES

PAGE 21

Learn from the master  
Lee Frost's dawn seascapes

- Colour
- Movement
- Composition



ADVANCED TECHNIQUE

**HALCYON RIVER  
BIRDS IN ACTION** PAGE 28



PAGE 44

GUIDE TO...

**ESSENTIAL  
KIT FOR  
CLEANING  
YOUR SENSOR**



TESTED

PAGE 49

**PANASONIC G10  
BABY OF THE FAMILY**





## A REAL PHOTOGRAPHER'S CAMERA. BUT DON'T TAKE OUR WORD FOR IT.

When given the Lumix GF1 to test drive, professional photographer David Eustace captured amazing photographs, while the GF1 captured his heart. "It feels like a working camera, a real photographer's camera, and I just loved the lenses on it. It's way beyond being a point-and-press camera, but it has the same simple aesthetics if you want to use it like that."

Featuring a D-SLR size sensor, a class-leading fast autofocus system, built-in flash, HD movie mode and a choice of interchangeable lenses, the GF1 has the handling and responsiveness of a D-SLR, in a more compact form.

Creative freedom matters.

**EVERYTHING MATTERS.**



See the full range of lenses, colours and accessories at [panasonic.co.uk/gf1](http://panasonic.co.uk/gf1)  
0844 844 3852



Photograph taken by David Eustace using the Lumix GF1 for Professional Photographer Magazine. To see more of his work visit [daveustace.com](http://daveustace.com)



Issue 91



February 2010



March 2010

New-Generation System Cameras

**LUMIX G™**  
MICRO SYSTEM





# Contents

**Amateur Photographer** For everyone who loves photography

**STOP** and search for using a camera is supposed to be dead and buried, but its irritating poltergeist continues to haunt our streets in pursuit of hearts to break and days to ruin. Close encounters are devastating enough, and can turn people from a fondly held hobby, but even knowledge of its very real presence is enough for many to leave the camera in the bag. 'Terror' is a very strong word, but official contact with a law enforcement officer can be extremely disturbing for those used to passing through life without it, and the lengths we'll go to avoid such contact can mean an innocent and peaceful pastime is abandoned. One wonders if measures to defend us from terror are in fact more

frightening than the threat of occasional atrocity itself. I work in London and feel no imminent expectation of explosion, but when I carry a camera in my hand I am constantly aware that I may encounter ignorance and narrow mindedness at any moment.

Mounted on the front of this magazine is a special lens cloth that is designed to clear glass and clear your name. It won't stop you from being approached, but it should help you to explain that you are not doing anything wrong.



**Damien Demolder**  
Editor

## NEWS, VIEWS & REVIEWS

### 5 NEWS

Press rights triumph as terror stops continue; 360° Lomo camera debuts; Getty's Flickr pics deal fuels rights fears; Olympus virus scare; Aussie scoops UK club prize

### 10 REVIEW

The latest books, exhibitions and websites

### 15 ANDY ROUSE @ AP

Wildlife photographer Andy Rouse falls in love with a photography festival in the German town of Zingst

### 98 THE FINAL FRAME

When it comes to producing cameras, Roger Hicks thinks it's possible that manufacturers know what they are doing

## TECHNIQUE

### 16 PHOTO INSIGHT

Tom Mackie on shooting Madrid's K10 towers in daylight and at night, and how it produces two very different images

### 21 MASTERCLASS

Lee Frost joins members of Alnwick & District Camera Club to capture the dawn light and brilliant coastal landscapes in Northumberland

## TESTS AND TECHNICAL

### 43 TESTBENCH

The Hama Canberra 100  
Colt camera bag and  
Luminati Clear2C  
Professional photo frames



## P28

Charlie  
Hamilton  
James's  
stunning  
kingfisher  
photos



© CHARLIE HAMILTON JAMES

## 44 CAMERA CLEANING PRODUCTS

Keeping your camera sensor and lenses clean is essential for optimum image quality. These items can help

## 46 AP GUIDE TO... CLEANING YOUR CAMERA'S SENSOR

Richard Sibley presents a step-by-step guide to removing dust and dirt from your camera's sensor

## 49 PANASONIC LUMIX DMC-G10

Angela Nicholson tests the latest Micro System Camera, offering a pared-down spec for enthusiasts on a budget

## 52 ASK AP

Our experts answer your questions

## 57 CANON IXUS 300 HS

Canon's new, low-light-capable, ten-million-pixel camera is put through its paces by AP's Tim Coleman

## 61 GEOFFREY CRAWLEY EXPLAINS...

The lens on your camera is a triumph of optical engineering. In the first of two articles, Geoffrey Crawley explains the science and technology behind lens construction

## THE AP READERS' POLL

**IN AP 26 JUNE WE ASKED...** If the price were right, would you be interested in going medium format?



### YOU ANSWERED...

A Yes, once again	29%
B Yes, for the first time	42%
C No	29%

### THIS WEEK WE ASK...

Do you generally feel nervous of the police?

**VOTE ONLINE** [www.amateurphotographer.co.uk](http://www.amateurphotographer.co.uk)

## YOUR WORDS & PICTURES

### 12 LETTERS

AP readers speak out on the week's issues

### 13 BACKCHAT

AP reader Catherine Wilson is worried at the wilful cloning out of our social history

### 34 READER SPOTLIGHT

Another selection of superb reader images

### 40 APPRAISAL

Damien Demolder examines your images, offering words of wisdom and constructive advice

## FEATURES

### 28 HALCYON DIARIES

Charlie Hamilton James has spent the last five years documenting the behaviour of kingfishers on the Halcyon river. He talks to Jeff Meyer about his passion project

### 59 ICONS OF PHOTOGRAPHY

Geoffrey Crawley on the work of Alfred Watkins, who's photographic inventions made vital progress for the medium

## P49

Designed as a pared-down G2, we test the Panasonic Lumix DMC-G10



**HOW TO HAVE YOUR PICTURES PUBLISHED IN READER SPOTLIGHT** Send in a selection of up to ten images. They can be either a selection of different images or all have the same theme. Digital files sent on CD should be saved in a Photoshop-compatible format, such as JPEG or TIFF, with a contact sheet and submission form. Visit [www.amateurphotographer.co.uk/readerspotlight](http://www.amateurphotographer.co.uk/readerspotlight) for details. We cannot publish images without the necessary technical details. Each RGB image should be a minimum of 2480 pixels along its longest length. Transparencies and prints are also accepted. We recommend that transparencies are sent without glass mounts and posted via Special Delivery. For transparencies, prints or discs to be returned you must include an SAE with sufficient postage.

**HOW TO CONTACT US** Amateur Photographer, IPC Media, Blue Fin Building, 110 Southwark Street, London SE1 0SU **AP Editorial Telephone:** 0203 148 4138 **Fax** 0203 148 8130  
**Email** [amateurphotographer@ipcmedia.com](mailto:amateurphotographer@ipcmedia.com) **AP Advertising Telephone:** 0203 148 2517 **Email** [lee\\_morris@ipcmedia.com](mailto:lee_morris@ipcmedia.com) **AP Subscriptions Telephone:** 0845 676 7778  
**Email** [ipcsubs@qss-uk.com](mailto:ipcsubs@qss-uk.com) **AP test reports Telephone:** 01707 273 773 [www.testreports.co.uk/photography/ap](http://www.testreports.co.uk/photography/ap)





**TAMRON SUPER STOCKIST** - LARGE STOCKS HELD - 5 YEAR GUARANTEE

**TAMRON**

**18-270 mm  
F3.5-6.3 Di II VC**

- ▶ The worlds first digital SLR lens that delivers a remarkable zoom ratio of 15X (28-419mm equivalent)
- ▶ Equipped with a highly effective Vibration Compensation (VC) mechanism

**NEW LOW PRICE  
£399.00**

**17-50 mm SP AF F/2.8 VC  
XR Di II LD Aspherical (IF)**

- ▶ Groundbreaking high-speed, high-definition f/2.8 standard zoom with Tamron's Vibration Compensation (VC) image stabilization

**NOW £379.00**

**++SUMMER SPECIAL++**

**Tamron SP AF 17-50mm F2.8 XR Di II  
Non VC Version - ONLY £299**

**10-24mm SP AF Di II**

- ▶ High-performance Ultra Wide-angle Zoom Lens with Unprecedented Focal Length Range
- ▶ Covers the Broadest Range Ever-from 10mm Ultra Wide-angle to 24mm-in Its Class

**£379.00**

**28-300mm F3.5-6.3 XR Di  
VC LD Aspherical (IF) Macro**

- ▶ Incorporates a highly accurate gyro sensor for detecting hand-shake, offers comfortable anti-vibration effects.
- ▶ Outstanding Design Realizing High Zoom Power, VC Mechanism and Compactness

**£489.00**



**60mm F2 Di II  
LD (IF) 1:1 Macro**

**£389.00**

**28-75 mm SP  
Di f2.8**

**£359.00**

**18-200 mm  
F3.5-6.3 XR Di II  
LD Aspherical (IF) Macro**

**£173.00**

**200-500mm  
F5-6.3 Di LD**

**£839.00**

**70-200mm f/2.8  
Di LD Macro IF**

**£615.00**

**90 mm SP f2.8  
Macro 1:1 Di**

**£359.00**



**www.cliftoncameras.co.uk**

email: [sales@cliftoncameras.co.uk](mailto:sales@cliftoncameras.co.uk)

28 Parsonage Street  
Dursley  
Gloucestershire  
GL11 4AA  
tel: 01453 548128





“Amateurs can indicate whether they want their uploaded Flickr pictures to be available for sale...”

Getty Images storm, page 7

flickr

Photographer in tourist hotspot terror stop • Press rights triumph

## PRESS FREEDOM VICTORY AS POLICE STOPS CONTINUE

**AP RIGHTS WATCH**  
Committed to defending your photographic rights!

**A PHOTOGRAPHER** was stopped in Trafalgar Square and suspected of being a terrorist, in a move that suggests the police war on photography in public is far from over.

AP reader Mark White witnessed the drama and captured it on a memory card while using his newly purchased Sony NEX-5 camera.

The man – who was using a Canon DSLR and a Manfrotto tripod – was stopped and searched under Section 43 of the Terrorism Act, police later confirmed to AP.

This latest in a long line of police confrontations with photographers occurred on 22 June at around 8.30am, said Mark, who told us: ‘The officer began to fill in a form for a good five minutes and eventually led him [the photographer] away.’

However, a Met spokeswoman told us that ‘no offence was apparent and no

further action was taken’.

She said police are justified in carrying out a Section 43 stop-and-search if an officer ‘witnesses what they deem to be suspicious behaviour’.

Police have not released the man’s name.

By law, police should only stop and search a person under Section 43 if they ‘reasonably suspect’ the person to be a terrorist.

The police stop came shortly before AP launched a lens cloth outlining photographers’ rights when taking pictures in public.

Meanwhile, a photographer and a videographer have each won £3,500 in damages from the Metropolitan Police after the pair were prevented from recording a protest outside the Greek Embassy in 2008.

Although the incident is not terrorism related, the Met admitted that it breached Article 10 of the European Convention on Human Rights – and failed to respect press freedom – when an officer



**Police stop a man in Trafalgar Square on 22 June. They suspected he was a terrorist**

pulled a camera away from photographer Marc Vallée and covered the lens on a camera being used by videographer Jason Parkinson.

The pair were attempting to record a political protest outside the Greek Embassy, west London, in December 2008.

Marc Vallée told AP: ‘The question to consider is: “Is the overall harassment of photographers by the police a deliberate policy or a series of unrelated mistakes?”’.

He added: ‘You have to

ask yourself whether it is in the DNA of the Metropolitan Police to restrict and harass photographers and, if so, what are we going to do about it?’

The payout is being hailed as a victory for press freedom and a massive boost for the rights of photographers.

National Union of Journalists general secretary Jeremy Dear said: ‘We have achieved a significant victory – it is right that the police admit liability, apologise and compensate those whose basic human rights were breached in such a blatant and aggressive manner.’

Chez Cotton, head of the Police Misconduct department at law firm Bindmans LLP, said the pair had complied with police requests to leave the area, but were ‘forcibly removed’ and told to report from a distance.

Cotton added: ‘My clients were physically prevented from reporting on protest and political unrest of international importance.’

A Met spokesman told us: ‘The MPS [Metropolitan Police Service] has apologised and accepted liability for a breach of freedom of expression...’

## SNAP SHOTS

● Press photographers have called on the Government to back a European Court of Human Rights ruling that police use of Section 44 stop-and-search laws is illegal. The Home Office has said it will base part of its review about the use of Section 44 on the result of the former Government’s appeal against the European ruling, which took place in January.

● Two photographers were arrested while covering a protest outside the G20 summit in Canada. Colin O’Connor and Brett Grundlock were arrested in Toronto on Saturday 26 June, according to the *National Post*, the Canadian newspaper they work for. The men were reportedly charged with ‘obstructing a peace officer and unlawful assembly after refusing police officers’ requests to leave the area’. Both were released on bail.

**LATEST NEWS ONLINE**

[amateurphotographer.co.uk](http://amateurphotographer.co.uk)

Photographers urged to enter competition

## TERRY O’NEILL LAUNCHES 2010 CONTEST

**PHOTOGRAPHERS** have been urged to enter the Terry O’Neill Award for contemporary photography, which boasts a top prize of £3,000.

This year’s categories are: Fine Art; Reportage; Fashion; Documentary;

Landscape; Wildlife; and Portraiture.

The contest offers a second prize of £1,000 with £500 going to the photographer placed third.

Organisers hope the contest will highlight the work of ‘upcoming’ as well as

established photographers, giving them ‘valuable exposure’.

The winners will be announced in December and the images will be showcased at The HotShoe Gallery in London.

The top ten photographers will also have their work published in *The Sunday Times Magazine*.

The closing date for entries is 22 October. For details visit [www.oneillaward.com](http://www.oneillaward.com).



**Do you have a story?**

Contact Chris Cheesman  
Tel: 0203 148 4129  
Fax: 0203 148 8130  
[amateurphotographer@ipcmmedia.com](http://amateurphotographer@ipcmmedia.com)



A week of photographic opportunity

## PHOTODIARY

Wednesday 7 July

**EXHIBITION** A Story of Deception by artist Francis Alys, until 5 September at Tate Modern, London SE1. Tel: 0207 887 8752. Visit [www.tate.org.uk](http://www.tate.org.uk).

**EXHIBITION** Beatles to Bowie: the '60s exposed, until 5 September at Norwich Castle, Norfolk NR1 3JU. Visit [www.museums.norfolk.gov.uk](http://www.museums.norfolk.gov.uk).

Thursday 8 July

**EXHIBITION** Last orders at the bar: The demise of the Great British Pub by Chris Etchells, until 15 July at Red Gate Gallery, London SW9 8RU. Tel: 0207 326 0993. Visit [www.redgategallery.co.uk](http://www.redgategallery.co.uk). **EXHIBITION** In-Public@10 by members of a street photography group, until 9 July at Photofusion, London SW9 8LA. Tel: 0207 738 5774. Visit [www.photofusion.org](http://www.photofusion.org).

Friday 9 July

**EXHIBITION** Destroying The Laboratory For The Sake Of The Experiment by Mark Power, until 10 July at Atlas Gallery, London W1U 7NF. Tel: 0207 224 4192. Visit [www.atlasgallery.com](http://www.atlasgallery.com). **EXHIBITION** Wild Kew by Heather Angel, until 5 September at Royal Botanic Gardens, Surrey TW9 3AB. Tel: 0208 332 5655. Visit [www.kew.org](http://www.kew.org).

© MARK POWER



Saturday 10 July

**EXHIBITION** The Family and the Land: Sally Mann, until 19 September at The Photographers' Gallery, London W1F 7LW. Tel: 0845 262 1618. Visit [www.photonet.org.uk](http://www.photonet.org.uk). **EXHIBITION** Chris Steele-Perkins: For Love of the Game, until 11 July at Third Floor Gallery at 102 Bute St, Cardiff CF10 5AD. Tel: 0292 115 9151. Visit [www.thirdfloorgallery.com](http://www.thirdfloorgallery.com).

Sunday 11 July

**DON'T MISS** British 10K London Run passes many famous landmarks (starts at 9.35am). Visit [www.thebritish10klondon.co.uk](http://www.thebritish10klondon.co.uk). **DON'T MISS** World Cup [football] Final – celebrations for whichever nation triumphs.

Monday 12 July

© JOHN KENNY



**EXHIBITION** Sub-Saharan Journeys by John Kenny, at Capital Culture, Covent Garden, London WC2N 4BP. Tel: 0207 836 0824. Visit [www.capitalculture.eu](http://www.capitalculture.eu). **EXHIBITION** Duxford in the Battle of Britain, until 31 December at Imperial War Museum Duxford, Cambridgeshire CB22 4QR. Tel: 01223 835 000. Visit <http://duxford.iwm.org.uk>.

Tuesday 13 July **LATEST AP ON SALE**

**EXHIBITION** Part of the Pack by Arden and Anstruther, until 31 July at 5 Lombard St, Petworth, West Sussex GU28 0AG. Tel: 01798 344411. Visit [www.ardenandanstruther.com](http://www.ardenandanstruther.com). **EXHIBITION** The Camer-on Life Festival Experience (an account of the 1970 Isle of Wight pop festival) by Charles Everest, until 12 September at Dimbola Galleries and Photographic Museum, Isle of Wight PO40 9QE. Visit [www.dimbola.co.uk](http://www.dimbola.co.uk). Tel: 01983 756 814.

Photobook supplier in 'mistranslation' error

## CEWE IN PHOTO RIGHTS U-TURN

**AP RIGHTS WATCH**  
Committed to defending your photographic rights!

**CEWE**, which supplies photobooks to high-street chain Jessops, has bowed to pressure and assured photographers they will retain copyright over their images entered into a Europe-wide competition.

European photofinishing firm CEWE Photobooks, which counts Jessops as its 'biggest partner supplier', was forced to review the rules of its Europe is Beautiful competition after AP pointed out a clear copyright breach.

The terms stated: 'By entering the competition, the participants grants [sic] CEWE and related CEWE businesses on a non-exclusive basis all present and future rights, including, without limitation, all copyrights and related proprietary rights.'

'In particular, CEWE shall have the right to publish, duplicate, distribute or otherwise exploit the images in perpetuity throughout the world in any [sic] all media by any and all means, methods, processes or devices now known and hereafter invented.'

CEWE, which supplies photobooks to high-street chain Jessops, has bowed to pressure and assured photographers they will retain copyright over their images entered into a Europe-wide competition.

CEWE has since blamed the 'mistake' on a 'mistranslation' of the rules issued by CEWE's German HQ and re-written them in 'plain English'.

A spokeswoman said: 'The error occurred during translation into English from our HQ in Germany, where the competition and microsites were created, but we'd like to reassure readers and prospective entrants that the terms have now been amended accordingly and photographers' copyright over their images will always remain intact when they enter the competition.'

Although the revised terms fail to explicitly state that photographers retain copyright, the spokesman assured AP this is the case.

Jessops had earlier moved to distance itself from the competition.

The contest urges photographers to enter their best images of Europe for the chance to win prizes that include a two-week cruise and Panasonic Lumix DMC-FZ38 camera.

For details visit [www.cewe-photobook.co.uk](http://www.cewe-photobook.co.uk).

New £115 camera swivels on its own axis

## 360° LOMO CAMERA DEBUTS

**IT IS** claimed that photographers can shoot 360° panoramic images on 35mm film using a new camera unveiled by the Lomography Society.

Driven by a 'rubber band', the Spinner 360 revolves on its grip when the user pulls the attached trigger cord.

Priced £115, the fully mechanical camera creates up to eight full 360° panoramas on a 36-exposure film, according to Lomo.

The Spinner 360 delivers a vertical angle of view of 66° and features two aperture settings: f/8 and f/16.

It carries a 25mm lens, focusing from one metre to infinity.

The Spinner 360 is available from the Lomography Gallery Store, 3 Newburgh St, London W1F 7RE.

Call 0207 434 1466 or visit [www.lomography.com](http://www.lomography.com) for information.





## SNAP SHOTS

● A Canon EOS 300D is among prizes up for grabs in a Photo Marathon challenge set to take place in Manchester on 17 July. Organised by the charity Big Issue in the North Trust, the contest challenges photography enthusiasts to take eight photos in eight hours on topics that are being kept under wraps until the last minute. The entries will go on show in an exhibition later in the year. To download an entry form and to make a £15 entry donation visit [www.biitn.org.uk](http://www.biitn.org.uk) or call Jane Logan on 0161 831 5556.

● Prince Harry has revealed that a job as a 'wildlife photographer' is among his dream occupations. Princes Harry and William were asked to write down their hopes and dreams as part of an event organised with a group of HIV positive youngsters in Lesotho, Africa.

● Photography legend David Bailey is set to stage his first-ever exhibition on 'sculpture'. The showcase of bronze sculptures will run alongside a new body of Bailey's images at the Pangolin London gallery in Kings Cross, from 8 September-16 October.



**Do you have a story?**

Contact Chris Cheesman  
Tel: 0203 148 4129  
Fax: 0203 148 8130  
[amateurphotographer@ipcmedia.com](mailto:amateurphotographer@ipcmedia.com)



**PICTURE** library giant Getty Images is under fire amid fears its new deal with image-sharing website Flickr will expose amateur photographers to exploitation.

All Flickr users can now indicate on the Flickr website whether they want their uploaded pictures to be available for sale by Getty to third parties.

Flickr is understood to have 40 million registered users and a library of four billion images.

But some photographers fear that Flickr users may inadvertently agree to hand Getty the rights to all their pictures – and sign up to accept fees lower than their professional counterparts – in a controversial extension of a deal announced two years ago, which only affected Flickr users specifically chosen by Getty's editors.

Getty Images has confirmed that it has the exclusive right to license a member's images, and images substantially similar to those, once they [have] accepted their invitation and signed the Getty Images Contributor Agreement.

Flickr users have to agree to indicate whether they want all their photos to be licensed by Getty, or none at all.

This has led to concerns that Getty is exploiting photographers' rights by not explicitly stating they can opt out for individual images that they may be able to sell for a higher fee elsewhere (where an agency does not take a cut of the fee, for example).

John Toner, freelance organiser at the National Union

## flickr

**Getty says the deal will open up a new market for amateurs' photographs**

of Journalists, told AP: 'We would certainly be seriously concerned that this could be an attempt to exploit amateur photographers.'

'Amateurs are not necessarily au fait with the value of their images and could be persuaded to license them to Getty for low rates, thereby undermining the rate that professionals work so hard to achieve.'

However, Getty's UK office pointed out that if a third party is interested in a particular image then the photographer can refuse permission for picture use once contacted by Getty.

Getty Images claims Flickr contributors will receive 30% of the fee for a rights-managed image, the average price of which is around \$500.

Meanwhile, royalty-free images will be licensed at set prices based upon the file size the customer purchases. In this case Flickr contributors will receive 20% of the fee (the average price for a royalty-free photo is around \$200, says Getty).

Getty says the deal will give potential buyers confidence that their images have been legally obtained.

'It also creates another opportunity for Flickr photographers to enter the world of stock photography,' a spokeswoman added.

## UK moves to allay virus fears

### OLYMPUS IN TOUGH CAMERA VIRUS SCARE

**OLYMPUS** UK was on alert after a batch of Olympus mju Tough 6010 digital compact cameras were hit by a computer virus in Japan.

It is understood that more than 1,700 'Titanium Grey' versions of the camera were affected, but that all were sold to Japanese consumers.

The virus infected the camera's built-in memory and

only becomes active when connected to a PC via a USB terminal, according to Olympus Japan.

Launched last year, the 'shockproof, freeze-proof and waterproof' mju Tough 6010 carries a 12-million-pixel imaging sensor.

The camera sports a lens delivering the 35mm viewing angle equivalent of a 28-102mm zoom.

Anyone with concerns about a camera bought in Japan is urged to call the Olympus Europe helpline on 0800 111 4888.



## Record entries in global contest

### AUSSIE SCOOPS UK CLUB SHOOTOUT PRIZE

**A PHOTOGRAPHER** from Brisbane, Australia, has triumphed in a competition run by a Yorkshire-based photographic society that pulled in a record number of entries.

David Lazar's photo of a Burmese boy sitting on a flight of steps beat more than 1,000 other entries to bag the top spot in the Shadow Photographic Competition.

'As well as being of outstanding technical quality,

this photograph also captures the imagination and compels you to have a closer look – it has an almost hypnotic quality,' said Paul Bullock, one of the judges.

Meanwhile, Tony Moore from Jersey was named the runner up with a shot entitled 'North coast surf'.

Such was the high standard of entries there were also 10 highly commended and 15 commended photographs.





AP  
THIS  
WEEK  
IN...

1973

The new Olympus OM-1 cost £127.95 complete with an f/1.8 lens and case in the summer of 1973. 'We like its small size, its quiet shutter, the extra big bright viewfinder,' screamed the advert by Reids Photographic. 'We like its interchangeable screens, the wide range of accessories that will be available including motor drive, we like the small compact lenses (particularly the 75-150mm zoom)...' Olympus hailed the OM-1 as the world's smallest and lightest 35mm SLR.

## LOW CASH OR CREDIT TERMS

CANON  
F1 1/1.8  
& case  
£210.95

TLb  
1/1.8  
& case £99.95

THE NEW OLYMPUS OM-1  
f/1.8 lens  
AND CASE  
£127.95



ZENITH —  
JUST A FEW IN STOCK  
PHONE FOR PRICE —

PRAKTIKA LLC  
£58.95

SPECIAL OFFER — WHILE STOCKS LAST  
OLYMPUS FTL 1/1.8  
£91.95

<FE NEXT PAGE

## SNAP SHOTS

● The closing date for the Environmental Photographer of the Year competition is approaching fast. The contest is open to photographers of any age and boasts a prize fund totalling £5,000. Categories include Changing Climates and The Natural World. Entries close on 31 July. For details visit [www.epoty.org](http://www.epoty.org).

● This year's Rencontres d'Arles Photography festival kicks off this week in Arles, South of France. The event features 60 exhibitions in 20 locations in the town and runs from 3 July until 19 September. Among work on display will be Kodachrome images captured by photographer Ernst Haas. For details visit [www.rencontres-arles.com](http://www.rencontres-arles.com).

● A boy in Newport, Wales, accidentally shot himself while posing with a gun. His stepfather, Michael Hole, 50, has been jailed for five years for child cruelty and possessing an illegal firearm after he failed to check whether the gun, carried by Lewis Bailey, was loaded. Lewis, who put the gun to his head and then fired it, went on to make a 'remarkable recovery', according to BBC News.



**Do you have a story?**

Contact Chris Cheesman  
Tel 0203 148 4129  
Fax 0203 148 8130  
amateur photographer  
@ipcmmedia.com



## Competition names winner PEOPLE'S FAVOURITE PLANT PIC UNVEILED

**A PHOTO** entitled 'Soft tones of autumn' has bagged the People's Choice Award for the best plant pic at the International Garden Photographer of the Year competition.

Jacky Parker's image depicts *Echinacea purpurea* 'White Lustre', surrounded by delicate grasses softly swaying in an autumn breeze.

## Nikon cameras go into orbit RUSSIA SHOOTS MORE NIKON DSLRS INTO SPACE

**RUSSIAN** cosmonauts have ordered a Nikon D3S DSLR for use on the International Space Station.

Nikon said it received orders for a Nikon D3S and two Nikon D3X cameras to be taken on board the Soyuz TMA-19 spacecraft, which was launched into

space on 16 June.

In a statement, Nikon said it had not made any special modifications to the cameras.



Nikon gear already used by Russian cosmonauts on the space station includes a Nikon F5 film-based SLR and D200 camera, plus various Nikkor lenses.

## Olympics to cater for snappers PHOTOGRAPHERS' OLYMPICS 2012 FACILITIES

**A WORKROOM** with space for around 300 photographers has been promised by organisers of the London 2012 Olympics.

The Olympic Delivery Authority outlined the facilities for press photographers as part of the 30,000m<sup>2</sup> Main Press Centre for London 2012.

In addition, there will be conference rooms to accommodate around 100 photographers.

Sebastian Coe, chair of the London 2012 Organising Committee, said: 'Billions of people around the world rely on the international media to relay stories of human endeavour on the field of play and capture the atmosphere of the Games.'

Last year, photographers hoping to take pictures of the Olympic construction site in East London were warned they will be questioned if suspected of photographing 'security operations'.

The caution came after amateur photographer Dr Patrick Green said security guards stopped him taking pictures from a public road that leads to the Olympic site.

In 2008, organisers of the Olympic Games in Beijing banned spectators from carrying 'professional' camera gear into the stadium.

Cameras were banned alongside guns, grenades, gunpowder and explosives.

## CLUBNEWS

Club news from around the country

### SUFFOLK MONOCHROME GROUP

The group, made up of 12 enthusiasts of b&w photography, is showcasing examples of its latest work from 7-26 July at the Mercury Theatre, Balkeine Gate, Colchester, Essex CO1 1PT. Visit [www.suffolkmonochrome.co.uk](http://www.suffolkmonochrome.co.uk).

### CLEETHORPES CAMERA CLUB

The club is trying to raise £10,000 to secure the future of its home. The club needs the cash to buy the freehold for the building it owns, in Reynolds Street, according to *The Grimsby Telegraph*. Anyone who can help is urged to call Dennis Farrow on 01472 699 359 or Alan Tyrer on 01472 504 882.

### HEXHAM PHOTOGRAPHY GROUP

The group says that regretfully it has been forced to cancel a talk by Tillman Crane that had been due to take place on 24 September.



**WE BUY  
or PART-EXCHANGE  
your old equipment  
TOP PRICES PAID!**

**GOOD SERVICE AWARD &  
BEST ONLINE RETAILER**  
2006 / 2007 / 2008 WINNER 2009 Highly Commended  
What Digital Camera

**BEST SPECIALIST RETAILER**  
2005 / 2006 / 2007 / 2008 WINNER 2009 Highly Commended  
GEAR OF THE YEAR

**BEST INDEPENDENT RETAILER**  
Pixel Magazine 2006 / 2007

**MOST HELPFUL SALESPERSON**  
Pixel Magazine Nick Webster (Chelmsford) 2007 / 2009

# cameraWORLD

YOUR FAVOURITE D-SLR SPECIALIST  
**www.cameraWorld.co.uk**

Find us on Facebook [www.facebook.com/cameraworld](http://www.facebook.com/cameraworld)

**Nikon D700**  
BODY ONLY  
rp £2324.99 **SAVE £565**  
**£1759.99**

**FREE MB-D10 Grip**  
Worth £220 On redemption from Nikon UK  
Offer extended until 31st July 2010.

- |                         |                                      |
|-------------------------|--------------------------------------|
| D700 & 24-70mm f/2.8    | £2969.99                             |
| D300s Body              | rp £1499.99 <b>SAVE £50</b> £1129.99 |
| D300s Body & MB-D10     | £1329.99                             |
| D300s & 18-55mm VR      | £1199.99                             |
| D300s & 16-85mm VR      | £1499.99                             |
| D300s & 18-200mm VR     | £1599.99                             |
| D90 Body only           | £599.99                              |
| D90 & 16-85mm VR        | £989.99                              |
| D90 & 18-105mm VR       | £769.99                              |
| D90 & 18-200mm VR       | £1149.99                             |
| D90 & Sigma 18-200mm OS | £869.99                              |

**Nikon D5000**  
& 18-55mm VR lens  
**£489.99**

**FREE Nikon Rucksack**  
worth £59.99 While stocks last.

- |   |                                     |
|---|-------------------------------------|
| D5000, 18-55mm VR & 55-200mm VR                 | £669.99                             |
| D3000 & 18-55mm VR                              | £329.99                             |
| D3000, 18-55mm VR, 55-200mm VR & Nikon Rucksack | rp £817.97 <b>SAVE £318</b> £499.99 |
| 10.5mm f/2.8 ED DX Fish-eye                     | £519.99                             |
| 10-24mm f/3.5-4.5G ED DX                        | £589.99                             |
| 80-400mm f/4.5-5.6D ED DX VR                    | £1159.99                            |

**Speedlight SPECIAL OFFER!**

**SB900 Speedlight**  
rp £399.99 **SAVE £100** **£299.99**

**Canon EOS 7D**  
BODY ONLY  
**£890\***

2010 AWARDS TIPA  
Enthusiast Photographer of the Year  
Product of the Year

- |                              |                                     |
|------------------------------|-------------------------------------|
| EOS 7D BODY                  | £1219.99                            |
| EOS 7D & 15-85mm IS          | £1692.99                            |
| EOS 7D & 18-135mm IS         | £1449.99                            |
| rp £1999.99 <b>SAVE £550</b> |                                     |
| EOS 50D BODY                 | rp £899.99 <b>SAVE £235</b> £664.99 |
| EOS 50D & 17-85mm IS         | £899.99                             |
| EOS 500D BODY                | rp £789.99 <b>SAVE £320</b> £469.99 |
| EOS 500D & 18-55mm IS        | £599.99                             |
| PIXMA Pro 9500 MK II         | rp £779 <b>SAVE £279</b> £499.99    |

**\*Part-EX & Cash Buy**

Thinking of upgrading or changing your old camera?  
Don't delay! We're offering tip-top part-exchange prices against any new equipment. Featured deals are just a selection, if you can't see your camera or lens - give us a call for a quote. Your old equipment may be worth more than you think - film stuff too!

**we buy your old camera gear for CASH!**  
We don't just pay great prices, we'll even collect your equipment from your home or workplace at no extra cost\*\* - just call for details.  
Part exchange prices based on your equipment being in excellent condition, fully working and complete with original accessories.

**SONY α390**  
& 18-55mm f/3.5-5.6 SAM  
New 14.2 Megapixel APS-C sensor model, with Live View with tilt-angle screen and SteadyShot INSIDE.  
**£439.99**

**NEW!**

α390 with 18-55mm & 75-300mm **NEW!** £549.99  
α290 & 18-55mm **NEW!** £389.99

**SONY α550**  
& 18-55mm f/3.5-5.6 SAM  
rp £749.99 **SAVE £250**  
**£499.99**

α850 & 28-75mm £1949.99  
α850 BODY ONLY £1499.99

**NEX Generation**

**SONY αNEX-5**  
The worlds smallest and lightest interchangeable lens camera.

- |                            |         |
|----------------------------|---------|
| NEX-5 & 16mm f/2.8 Pancake | £549.99 |
| NEX-5 & 18-55mm f/3.5-5.6  | £589.99 |
| NEX-5 & 16mm & 18-55mm     | £679.99 |
| NEX-5 & 18-200mm f/3.5-6.3 | £999.99 |

**FREE ACCESSORIES WORTH £150**

FREE Sony ECMSS1 Stereo Mic & Sony 8GB MSPD card\*  
\*Supplied with camera when purchased at these prices.

**SONY αNEX-3**

**FREE SONY 8GB MSPD CARD**

FREE Sony 8GB MSPD memory card\*  
\*Supplied with camera when purchased at these prices.

NEX-3 & 16mm f/2.8 Pancake	£449.99
NEX-3 & 18-55mm f/3.5-5.6	£489.99
NEX-3 & 16mm & 18-55mm	£579.99

**Adobe Photoshop Elements 8**  
Combines power and simplicity to make your photos look extraordinary!  
rp £74.99 **SAVE £25** **£49.99**

**Photoshop Elements 8 & Photo Essentials 3**  
The essential image editing software programme teamed with it's perfect companion. rp £144.98 **SAVE £65** **£79.99**

**OLYMPUS E-PL1 & 14-42mm**  
Latest in the classically styled PEN range of compact interchangeable lens cameras.  
Choice of 4 colours available: Black, Champagne Silver, Red & White  
**£489.99**

- |                                  |                                    |
|----------------------------------|------------------------------------|
| E-PL1 with 14-42mm & 40-150mm    | £649.99                            |
| E-P2 with 14-42mm                | £649.99                            |
| E-P2 with 17mm                   | £679.99                            |
| VF-2 Viewfinder for E-P2 & E-PL1 | £179.99                            |
| E-620 & 14-42mm                  | rp £589.99 <b>SAVE £90</b> £499.99 |
| E-620 with 14-42mm & 40-150mm II | £569.99                            |
| 9-18mm f/4-5.6 <b>NEW!</b>       | £499.99                            |

**Panasonic LUMIX GF1**  
& 20mm f/1.7  
rp £749.99 **SAVE £150** **£599.99**

GF1 & 14-45mm rp £599.99 **SAVE £70** £529.99  
GF1 with 20mm f/1.7 & 14-45mm  
rp £899.99 **SAVE £110** £789.99\*

\*Prices nett of £30 cashback from Panasonic. Offer ends 31/08/10.

**LUMIX G2**  
& 14-42mm f/3.5-4.5G Asph  
Now with HD movies (AVCHD & Dolby) & touch-screen operation.  
**£529.99\***

In Black, Blue or Red. \*Prices nett of £30 cashback from Panasonic. Offer ends 31/08/10.

**LUMIX G10 & 14-42mm f/3.5-4.5G Asph**  
Dual full-time Live View and versatile creative functions was £449.99 **SAVE £20** **£429.99**

**Panasonic LUMIX G1 & 14-45mm**  
**HURRY - LAST STOCKS! £30 CASHBACK!**  
\*Price nett of cashback from Panasonic. Offer ends 31/08/10. **£329.99\***



**14 WELLS STREET** (just off Oxford St), LONDON W1T 3PB  
T: 0207 636 5005  
E: [sales@cameraworld.co.uk](mailto:sales@cameraworld.co.uk)

**HIGH CHELMER SHOPPING CTR**  
CHELMSFORD CM1 1XB  
T: 01245 255510  
E: [chelmer@cameraworld.co.uk](mailto:chelmer@cameraworld.co.uk)

**Mail Order HOTLINE**

**0844 264 0664**

All calls charged at local rate.

E.& O.E. Goods and delivery services subject to stock availability. Prices subject to change.  
All prices include VAT@ 17.5%. Pictures are for illustration purposes only. \*\*UK mainland only.

Express mail delivery insured courier service, usually next working day (orders before 2pm).



# APReview

The latest photography books, exhibitions and websites. By Jeff Meyer



BOOK

DAVID HURN  
WRITING  
THE PICTURE  
JOHN FULLER

## Writing the Picture

By David Hurn. Words by John Fuller

Seren Books, hardback, 112 pages, £20, ISBN 978-1-85411-531-7



### THIS UNIQUE

tome is the evolution of a project that began as an assignment for The Independent newspaper, when eminent poet John Fuller agreed to write about Magnum photographer David Hurn's images of Wales, 'as long as the captions could be poetry.' So that's exactly what he did: Fuller wrote original poems to tell a story about the

images opposite – and it really works. Fifty of Hurn's duotone reportage images have been chosen, ranging from hen nights to battle reenactments and local tragedies, but astutely we are not told what the pictures are. All we have to go on are Fuller's poems, which probe the emotions and mood captured by the image. Ultimately, this tells a fuller story (no pun intended) than any conventional caption ever could.

## Better Plant and Garden Photography

By Philip Smith

Garden Photo Press, paperback, 126 pages, £15.99, ISBN 978-0-9563973-0-0



**IN YET** another expansion to its ever-growing garden photography empire,

Philip Smith and his team at the annual International Garden Photographer of the Year competition have released this splendid guide. Smith, who runs IGPOTY, begins with a series of interviews with garden photographers, such as AP's own Clive Nichols, Andrew Lawson and Andrea Jones, who explain their approach and take one of their favourite images and explain why it is successful. The book then moves into the finer points of composition, equipment choice, and even how to choose and shoot along specific themes. A lot you may already know, but Smith's in-depth discussions will help you fine-tune your approach.





## EXHIBITION

**The Family and the Land**

By Sally Mann, Until 19 September. The Photographers' Gallery, 16-18 Ramillies Street, London W1F 7LW. Open Tues, Wed & Sat 11am-6pm; Thurs & Fri 11am-8pm; Sun noon-6pm. Tel: 0845 262 1618. Website: [www.photonet.org.uk](http://www.photonet.org.uk). Admission free

**THE FAMILY** and the Land is Sally Mann's first-ever solo exhibition in the UK, and it features a selection of images from five of her most significant series of works from the past 20 years. In her inimitable style, images from Mann's ten-year series 'Immediate Family' document her three children playing around their Virginia home. As this project concluded we see Sally embrace the wet-plate collodion process (processed on-site in the back of her truck) in her landscape series 'Deep South' and then apply the same techniques in a return to her children with a series of extremely close long exposures for the project 'Faces'.

Mann's normally macabre work takes an even darker turn in 'What Remains', which examines the subject of death – quite literally, the process of human decomposition. This sequence of cadavers



(photographed on the grounds of a research facility) challenges viewers not just visually, but also intellectually. Time is the underlying thread that weaves together this fantastic exhibition, and although it may at times be troubling to look at, it is ultimately personal and honest and justifies Mann's position at the forefront of contemporary photography.

**www.blipfoto.com**

**BLIPFOTO** is in essence a daily photo journal, that challenges users to publish one image every day. Many rise to this challenge and post daily images but most do so every other day. Regardless of the frequency, what results is an interesting portfolio from each user. It's fascinating to see how styles change over the months, or what subjects take their interest and then disappear.

From the main page you can access the latest journal entries, which are presented as thumbnails. Also from the main page are links to new and the most popular journals. However, to be able to search for subjects, users or access journals at random you need to sign up as a user. Don't worry: it's free and takes little time. And there are perks, such as being able to subscribe to particular journals and be notified when they're



## WEBSITE

updated, blog your entries or send updates to Facebook and Twitter. In time, let's hope they simplify the navigation, but there is still much here to keep you interested.

# CONDENSED READING

A round-up of the latest photography books and DVDs on the market

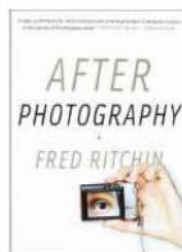


● **EXPERIENCE SEMINARS: THE ART OF SEEING**, running time 2 hours, £19.99

The latest in the stellar Experience Seminar series dissects a series of images and examines the building blocks that make them work, lens usage and the finer points of framing and composition. With plenty of advanced techniques to make you feel like you're actually learning something, you'll be surprised when you take your next picture to discover what you actually have learned.



● **CAMERA VISIBILUM** by Christophe Dillinger, £10 plus p&p from [www.cdillinger.co.uk](http://www.cdillinger.co.uk) Christophe's self-published book is a splendid mix of experimental fine-art photography that incorporates drawing and painting into his images. Divided into two sections, Swirl and Typewriter, the textures and softness of the former stand out as the most intriguing, while Typewriter pays an appropriate, though somewhat repetitive, homage to Barbara Kruger.



● **AFTER PHOTOGRAPHY** by Fred Ritchin, £14.99

Last week we reviewed Ritchin's blog by the same name, and as you might expect the book takes up the baton where the blog runs out of breath and carries it all the way to the finish line. Such is the depth of Ritchin's knowledge that he can reference Rainer Maria Rilke poems, Don DeLillo novels, lost history, Mel Gibson and the science behind pixels to make his points. In these ten essays he explains the changing nature of photography and how photography is, in turn, changing us in an engaging manner that makes *After Photography* difficult to put down.



# Letters

Share your views and opinions with fellow AP readers every week

## Write to...

'Letters' at the usual AP address (see page 3) fax to 020 3148 8130 or email to amateurphotographer@ipcmedia.com

\*Please indicate whether you would like to receive Fujifilm film or a memory card (please state type preferred) and include your full postal address

## Backchat

Send your thoughts or views (about 500 words) to 'Backchat' at the usual AP address (see page 3). A fee of £50 will be paid on publication

## LETTER OF THE WEEK

Wins a 20-roll pack of 36-exposure Fujifilm Superia ISO 200 35mm film or a Fujifilm 4GB media card\*



### RIGHT UP MY STREET

I really enjoyed reading the 'street photography' content of AP 12 June, which was, dare I say, right up my street! However, I don't recall any discussion on the topic of obtaining permission from any of the 'victims' so that photographs could be released for publication. I refer in particular to Maciej Dakowicz's study on page 25 of the chap wearing a cerise slip, matching feather cowgirl hat and fishnet stockings. Did Maciej obtain his permission so that *Amateur Photographer* could place him in a full-spread feature? Should he have obtained it? I wouldn't have given my permission in that state – I mean, have the whole world see me without matching nail varnish and lipstick. No way!

Dave Smith, Cheshire

That is such a good shot! There is no permission needed for that type of picture – and I'm not sure he would have been in a fit state to make a balanced decision anyway –

Damien Demolder, Editor



### WHAT'S IN A NAME?

Back when I used to take dozens of pictures a day, if I wanted to buy a new lens, I first decided the focal length then looked at a price I could afford. The price level told me what aperture I was going to get. A simple process that served me well for 40 years of both 6x6cm and 35mm photography. The only lens I had that had an unusual 'code' was my Nikon 28mm PC lens – PC meaning 'perspective correction'.

A year or so ago I jumped in at the deep-end by purchasing a Canon digital DSLR with a kit lens, and now I find it is time to upgrade my kit lens and telephoto zoom. Simple, right? Not a chance! Canon, Nikon, Tamron, Sigma, Tokina et al each have their own weird and wonderful systems of describing the attributes of their lenses. The pages of *Amateur Photographer* are without a doubt the best place to look for a new lens, but I

have found only one advertiser who gave any indication of what APO, DG, OS, and HSM actually mean. I am certain that a table listing each manufacturer's 'codes' would assist many of us in deciding what we are willing to pay for in a lens. Perhaps one of your contributors could spend a few minutes compiling such a list. I would do it myself, but I have no idea what any of them mean!

Bob McLeod, via email

We ran a glossary of lens markings a while ago, Bob. We'll update it and run it again soon – Damien Demolder, Editor

### REDRESSING THE BALANCE

I have read a number of letters and articles in AP over the last few weeks knocking manufacturers for over-complicating their digital cameras with superfluous gadgets and gizmos. They are also accused of neglecting the 'basics' and criticised for not making their products work like film-based cameras. As a freelance design engineer, I thought I would try and redress the balance by presenting things from the manufacturer's point of view.

A successful company is one that can make good profits for its shareholders. To this end, it must produce items that will consistently sell in volume with a good margin. To be successful in a competitive market, a product must appear to have distinct advantages over its rivals so a manufacturer can attract new customers. Adding push-button features to a digital camera is a cost-effective way to make a product appear to have an edge. This strategy still works as most customers do not fully appreciate what these features really offer and they are impressed by the numbers.

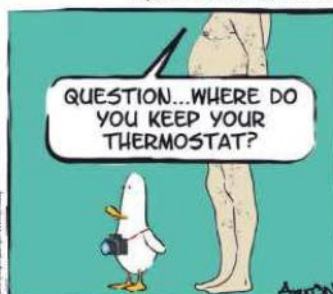
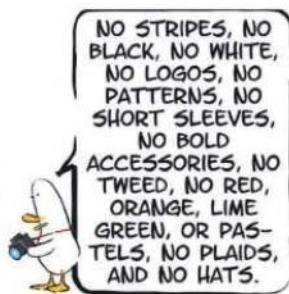
A product's service life should be finite to ensure good turnover, but durable enough to keep owners loyal to the brand and create a reputation for reliability. Film cameras needed precision mechanical assemblies such as shutters, viewfinders, and film-winding mechanisms to make them function. Digital cameras can be made with very few mechanical parts. Simpler hardware reduces production costs and allows better control over in-service life and durability.

The processing power of modern computer chips means that it is now possible to compensate for optical errors and camera shake through software. This is a much cheaper way of improving a camera's performance than by improving the glass lenses.

The manufacturing cost of an imaging sensor is influenced by its surface area rather than its complexity. Trying to improve the performance and pixel count of a small sensor is more cost-effective than trying to reduce the price of a larger sensor.

There will always be a market for high-end products from the likes of Canon, Nikon and Leica, but they will remain expensive to manufacture and purchase. Manufacturers will want to drive the mass-market towards products they can sell at a profit by making their cameras look new and innovative. My

## What The Duck



<http://www.whattheduck.net/>



prediction is that the the current crop of mid-range and entry-level DSLR cameras will eventually be pushed out by mirrorless devices such as the Sony NEX-5, the Panasonic G series and the Samsung NX10 range.

I am afraid those waiting for the return of the viewfinder are likely to be disappointed.  
**Clive Andrews, Hampshire**

**So waist-level chimney finders are out too, then? – Damien Demolder, Editor**

## SECOND BEST?

I read your article *Buying a second DSLR* in AP 19 June as I am about to eventually upgrade from film to digital. I've more or less decided on the Canon EOS 50D but it was completely left out of the article, which has left me slightly worried. Also, when I trawled back through my extensive collection of old APs, I could not find a review purely of said model, though I can find it pitted against other cameras of similar spec where it unfortunately seems to come out worse off and a bit beaten up by the competition.

Is there a reason it was omitted from your article? Is Canon replacing it with an EOS 60D? Were they not pleased with it? I've tried to look at this from a logical point of view, but with the EOS 50D being a good price now and having more seals to keep dust and water out, I'd have thought for a second body it would have been a good contender. I appreciate you said you were looking at enthusiast cameras, but if you already own a Canon system then surely this body isn't too expensive compared with the EOS 550D.

**Ian Fakenbridge, via email**

**You're right, Ian. Although I did mention the EOS 50D it was really only in passing. The EOS 50D is still current, but it has been rather usurped by the impressive EOS 7D. Nevertheless, the**

**EOS 50D is capable in many respects, having good metering and white balance systems, as well as a solid build and enthusiast-level handling, but it is pretty noisy at the higher sensitivity settings. I don't know whether Canon is about to update the EOS 50D, but given that it is now over 18 months old, it is a fairly safe bet that there is something in the pipeline. Incidentally, it was tested in AP 11 October 2008 – Angela Nicholson, technical editor**

## DIGITAL DANGERS

I've been reading AP for at least 30 years and I've always loved the balance between technical information and processes, creative and art techniques, reportage photography, studio, macro and exhibition-style landscape work.

I am so pleased to see the balance continue, as so many magazines are obsessed with images that are over-enhanced with unnatural colours and lighting. There is such a danger that over-obsession with perfecting images on the computer could kill Cartier-Bresson's concept of 'capturing the moment'. I love spontaneous photography and the way that all kinds of stories and meanings can be imagined from reportage pictures. Very often it is the inclusion of bystanders in the background of an image, or other fascinating or surreal elements that actually add a whole lot of meaning to a photograph. I wonder if many iconic images could have been ruined had additional detail been digitally removed or cleaned up.

Don't get me wrong, I love digital photography and imaging software. My advice is to always keep the original file, and wait before changing newly photographed images, so that you can review the quality of your photos in the cold light of day.

Long live photography... in all its formats!  
**Justin Frank, Kent**



KEITH BISSETT

## LOCATION, LOCATION, LOCATION

I feel I should point out an error that appeared in Andy Rouse's column in AP 19 June. Visitors to Bass Rock will be disappointed to visit Berwick in the south-west of Scotland. The island is in fact in the Firth of Forth in the south-east of Scotland, near the town of North Berwick. North Berwick is easily accessible by train (about 30 minutes) to the east of Edinburgh on a branch line. There is a tourist boat service out to Bass Rock that leaves from the town harbour.

Bass Rock is on the left of the above photo, which also shows the Scottish Sea Bird Centre (centre right of image) and the town of North Berwick. I hope this helps point your readers in the right direction.

**Keith Bissett, via email**

**He'd obviously been on the Bass – Shandy Bass – Damien Demolder, Editor**

# BACK CHAT

## AP reader Catherine Wilson is worried at the wilful cloning out of our social history

**OPEN** that box of old black & white photographs and look at them carefully. What do you see in that crumpled pile?

In my pile I see history.

I look at the backgrounds, the places these pictures were taken – many places that have long gone..

I look at my old photographs – and those taken by my family and others before me – faded, cracked and folded where they have been lying neglected in drawers and boxes over the years as photography developed (no pun intended) and we and our cameras got more sophisticated.

I found a packet of 1920s photos taken at a christening where the light got into the camera and burnt out Uncle Bert's face, and Aunties' dress was a blob of white fluff. No one threw them away – in those days photography was magic, and every photograph was precious. The early 20th century was the era when anyone could buy and use a camera – it was one of the great phenomena of our time.

Some time ago I was looking at some 2 1/4in square photos taken on a 1960s Cornish camping holiday. In the background was a potato peeler we took with us – a heavy clonking contraption, with a handle on the top – and our latest claim to camping sophistication, a stove, with not one, but two burners. These were memories I had quite forgotten until I saw them again in these old pictures.

Seeing these items in the backgrounds of photos evokes memories for my family and me. Being children then, they have different memories to mine (the peeler gave up the ghost at John O'Groats a couple of years later; we often wondered what the farmer thought it was when he saw it sitting on a cowshed wall after we'd gone).

Children playing in the garden; we all have those pictures. 'But hey', I say, 'I'd forgotten about that old pedal car in the background at the old house – I wonder what happened to it. And weren't babies' prams big in those days.'

And those awful technicolour or hand-coloured wedding photos. One of my favourite wedding photos was a black & white. It was a classic pose, Matriarch grimly sitting on a dining chair at the front and Patriarch standing tightly buttoned into his stiff best suit at her side, the rest of the family arranged formally around them. But what a background. History itself! An old bike leans up against what looks like a privy door, and hanging on the wall, almost touching one of the bridesmaids' shoulders, a large tin bath.

Now whilst I'm not advocating that we should all dash out and buy a tin bath as essential background clutter for our wedding photographs, my point is that far too much cloning goes on in photographs. We must value this social history, which we are in danger of erasing in our effort to create the 'perfect', but usually sterile, image. Please do not clone out our social history.



SIGMA

Payangan, Bali, Indonesia | CAMERA: SIGMA SD14 | ISO100, F4.3, 1/60sec | LENS: SIGMA APO 50-500mm F4.5-6.3 DG OS HSM: 226mm(50-500)



SIGMA LENS for DIGITAL

**APO**  
**50-500<sup>mm</sup>**  
**F4.5-6.3**  
**DG OS HSM**

For Sigma, Canon, Nikon, Sony and Pentax  
Supplied with matched lens hood and fitted padded case



*A re-design of a Sigma classic. Sigma's 50-500mm lens is legendary amongst telezoom photographers specialising in wildlife, birds and aeroplanes.*

The lens features a staggeringly large zoom range from standard to ultra-telephoto. The completely new design incorporates Sigma's unique OS (Optical Stabiliser) function, HSM (Hypersonic Motor) for fast and quiet auto focusing and full time manual focus override. Four SLD (Special Low Dispersion) glass elements offer excellent correction of aberrations and improved optical quality. This lens also accepts Sigma 1.4x EX DG and 2x EX DG teleconverters (MF)

Sigma Imaging (UK) Ltd 13 Little Mundells, Welwyn Garden City, Hertfordshire, AL7 1EW | Telephone: 01707 329 999 | Email: sales@sigma-imaging-uk.com | Website [www.sigma-imaging-uk.com](http://www.sigma-imaging-uk.com)

worldmags & avaxhome



# Andy Rouse @AP

Thoughts from a wildlife photographer's world

## Falling in love with a photography festival

### ZINGST WENT MY HEARTSTRINGS



**SOMETIMES** the most unexpected things turn out to be a real winner. For instance, this year I have been at the Horizonte

Photography Festival at Zingst in Germany, which took place from 29 May to 6 June. Originally I said yes out of respect for a good friend and *National Geographic* photographer who was organising the speakers. It seemed like a good idea at the time, but as the festival approached I had no idea what to expect and was starting to get uncharacteristically nervous. In truth, I needn't have worried; it turned out to be one of the most memorable experiences of my life.

Zingst is a very small coastal town in the far north-east of Germany, and the festival, now in its third year, has grown in stature. In a country where photography festivals are very well attended, is now firmly on the established circuit. The first surprise I had on arrival was seeing my polar bear picture absolutely everywhere. And I mean everywhere, as it was the symbol of the whole festival. Next to my hotel a 50ft sign proclaimed there was a 'polar bear at Zingst' with my image emblazoned across it. Every visitor had badges that displayed the same image and I found myself constantly apologising to women for staring at the badges nestling close to their chests!

Everyone was friendly and welcoming. They know my name well in Germany – always a surprise to me – as I have presented several times at the prestigious GDT festival in Lunen (they also follow the BBC awards closely). My talk was well attended with a few hundred packed into the theatre; there was a good buzz and I was given a rousing – sorry, could not resist that – welcome. The talk went really well; it was a kind of greatest hits, and they laughed in the right places and appreciated my change of style and thoughts on conservation. At the end I received a standing ovation, but little did I know that the best was yet to come.

After packing up in record time we got down to the beach where a party was in full swing. A huge 200ft screen had been

erected against the sunset to show movies and images from the festival, and all around it people were having impromptu bonfires, lighting candles and generally having a great time. The sunset was spectacular and the air of expectation grew as the light faded. The beach and pier were now packed. Then the screen went dark and my name appeared, a cheer went up from the crowd and an image of a lion appeared. For the next 15 minutes the best images of my life appeared on the screen, accompanied by some very cool music with a beautiful red sky as the backdrop. At the end I was speechless and had the biggest ovation and cheering that I have ever received for anything. I was given a microphone and mumbled a few words of thanks. Never have I felt so humble and yet so proud. In fact, I will freely admit that the old Rouse eyes had a few tears in them and it was a much-needed pat on the back after a frustrating week.

Now that I am back home my memory of the Zingst festival will be the friendliness of the people in the photographic community. No sniping, no name calling; everyone got on and was there for a good time. It was a refreshing change. Roll on my next festival in Germany, and until next time, auf Wiedersehen. **AP**

Andy was pleasantly surprised to see his polar bear picture used as the symbol of the festival



**ZINGST** is normally a sleepy resort located on eastern Germany's Baltic coast close to the Western Pomeranian National Park and, although popular as a health spa, it has a resident population of only around 2,000. However, the town comes alive around the end of each May when it plays host to the week-long Photo Festival Horizonte Zingst, the main, though not exclusive, 'themes' of which are climate change, the environment and the tensions between the man-made and natural world. Since it was first staged in 2008, the festival has grown and is now one of the most prestigious photographic events in Germany and beyond, attracting some of the world's biggest names in wildlife, nature and adventure photography, such as Hans Strand and Norbert Rosing of *National Geographic*.

This year's event took place from 29 May to 6 June and, as well as talks and lectures, there were more than 20 exhibitions along with numerous workshops on a wide range of subjects from nature and wildlife photography to advanced techniques with large-format and panoramic cameras.



**ANDY ROUSE** is one of the world's most prominent wildlife photographers and a passionate

conservationist – two roles that go hand in hand as far as he is concerned. A professional photographer for more than ten years, Andy has worked in every corner of the planet and photographed everything from ladybirds to elephants. He has a dozen books to his name and regularly appears on TV. He has also won multiple wildlife photography awards.

In this weekly column, Andy recounts some of his experiences, shares his thoughts and highlights issues from the wildlife world. You can see his work at [www.andyrouse.co.uk](http://www.andyrouse.co.uk) and read his blog at [www.andyrouse.co.uk/blog.asp](http://www.andyrouse.co.uk/blog.asp). You can even become a fan and keep up to date with 'Andy Rouse Wildlife Photography' on Facebook.





# PHOTO INSIGHT

BRINGING  
YOU ESSENTIAL  
EXPERT ADVICE  
EVERY WEEK



## TOM MACKIE

As an internationally respected architectural photographer, Tom brings a wealth of experience to AP

**Tom Mackie discusses his approach to photographing the KIO Towers in Madrid, Spain, and explains how shooting in daylight and after dark can produce two very different images**

**SOME** buildings are so striking you can't help but photograph them. The KIO Towers, also known as the Puerta de Europa towers or Gate of Europe, stand more than 100 metres high. Commissioned by the Kuwait Investment Office in the mid-1990s, they tilt at a 15° angle and are an imposing sight on the Madrid skyline. With the statue in the foreground standing immediately in front of the monolith-like structure and the two towers leaning in

either side, this is a classic photographic location and a classic composition.

I was keen to photograph the towers in daylight and at night to see what moods I could create. There was about 45 minutes between each shot. The vantage point may be the same, but the mood in each image is very different – one is bright and clear, the other is brooding and sinister. These contrasting atmospheres are entirely due to the use of light. I took

these images the same day that I took the KIO Towers image that appeared in AP 19–26 December 2009.

It's an interesting experiment to photograph the same building during the day and at night. Different factors come into play – namely, the interaction of light and subject, but also changing weather conditions such as the appearance of cloud. On this day, the clouds rolled in just after sunset. I would have preferred a clear sky for my night shot, but sometimes you have to work with the weather you have. Even in bad weather architectural night scenes can look striking if handled correctly – it's all down to the illumination of the building.

In these images different parts of the scene stand out, depending on where the light falls. The lighting in the daylight image gives prominence to the towers, while in the night image the artificially lit statue becomes the focal point. I always try to use light to pick out parts of the scene that are most interesting and to show the subject in literally the best possible light.

In the left-hand image (daylight) I arrived as the sun was hitting the central pointed building, but I felt it was too overpowering. Instead, I waited until the light moved round and the foreground was thrown into





shadow. I think the shadowed foreground works well because it gives more prominence to the KIO Towers on either side. The intense blue sky contrasts with the buildings, causing them to stand out even more in the composition.

With the night shot the main challenge was finding a way to balance the light that was shining upwards onto the buildings, statue and fountain, with the darker sky. The towers aren't lit up at night, so I switched the focus to the statue and fountain instead. In this image I had to be careful not to blow out my highlights – for example, the spot of light immediately behind the statue – but I also had to be careful not to underexpose the scene so the buildings would blend into the sky. I would have preferred the whole sky to be the colour you can see just poking through the clouds on the left-hand side as this would have helped the towers to really stand out, but the dark sky is just light enough for the buildings to be seen. The 13sec exposure in the night shot has captured the slow, silky motion of the water in the fountain.

Usually when I'm shooting architecture I'll check how the building is lit and where the light falls before the shoot. I'll use this to work out the best shooting angles. Where you stand in relation to the sun will

obviously affect where the shadows are going to be, so it's best to spend time trying a few vantage points and looking closely at how the light intersects with the building and how it changes over a period of time.

If you choose a west-facing viewpoint, think about how you could create a dramatic sunset image; or if the building is facing east, look at where the light is coming from first thing in the morning. Cathedrals, for example, can look especially startling and imposing if you find an angle that allows gradation of light across the composition. Try a three-quarter angle facing west and see how the light illuminates the building. Comprehensive research about where the light is going to be at what time is vital if you want to come back with an image that is dramatic, has character and depth. If you are making a special journey to photograph a particular building, make sure you find out how it will be lit in advance.

Lighting aside, there were additional factors to contend with when taking these images. Passing trucks kept driving in front of me, so timing was crucial to avoid capturing these in the shot.

In my architectural work I like to incorporate symmetry where possible and on this occasion I wanted an image that

was symmetrical. The difficulty was trying to get the alignment of the statue perfectly straight with the building in the centre. The central line frustratingly falls just to the left of the statue as you are looking at the scene. Lining the two subjects up wasn't possible due to the way the building and statue were designed; it niggles me to think the statue is just off centre, but there was nothing I could do!

For a scene like this the most effective shooting position is facing the scene straight on. I set up my Canon EOS 5D camera with a 24–105mm lens on a tripod and waited in position until the light faded. It may sound ironic considering the array of slanting angles in this scene, but I could have used a tilt-and-shift lens to ensure any vertical lines – the central vertical line of the pointed building, the statue and walls – were absolutely straight. In Photoshop I used the Free Transform tool (Edit>Transform>Perspective) to correct perspective distortion. If you are working from eye you have to be careful not to overdo it. Watch out for foreshortening of buildings or long, distorted buildings. **AP**

**Tom Mackie was talking to Gemma Padley**

To see more images by Tom visit [www.tommackie.com](http://www.tommackie.com)

**'The towers aren't lit up at night, so I switched the focus to the statue and fountain instead'**



**SONY**  
make.believe

# Performs like a pro, feels

The world's smallest interchangeable lens camera\*



Imagine professional photography without the confusion. With the Sony NEX-5, ultra-fast response times allow you to freeze split-second moments instantly and in perfect focus. This is photography defined by your imagination, from the world's smallest interchangeable lens digital camera\* with full HD movie recording.

[www.sony.co.uk/nex-5](http://www.sony.co.uk/nex-5)

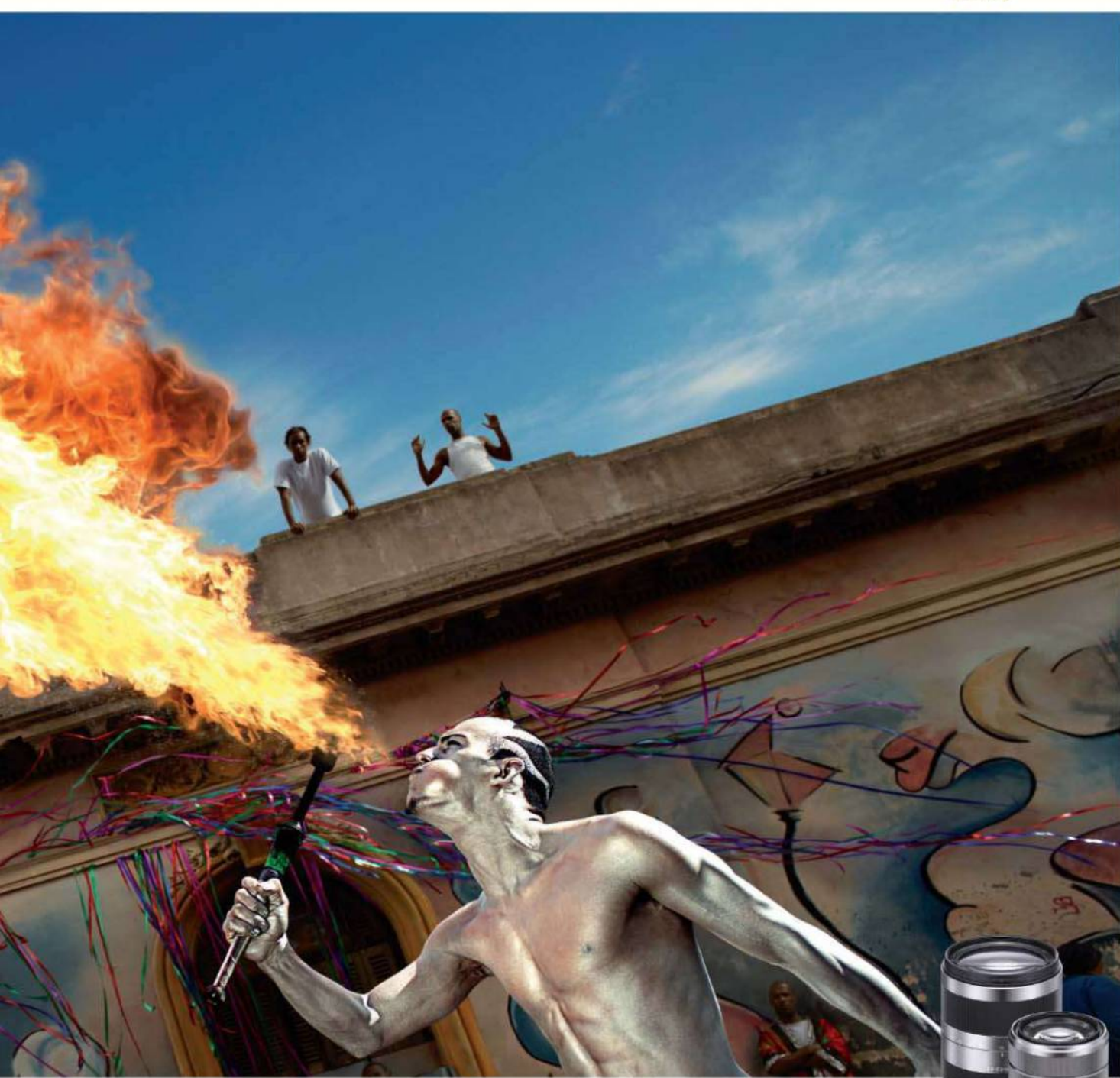
\*Sony, 'make.believe', 'α', 'NEX' and their logos are registered trademarks of Sony Corporation. \*Sony research May 2010.

worldmags & avaxhome



α

like a compact.

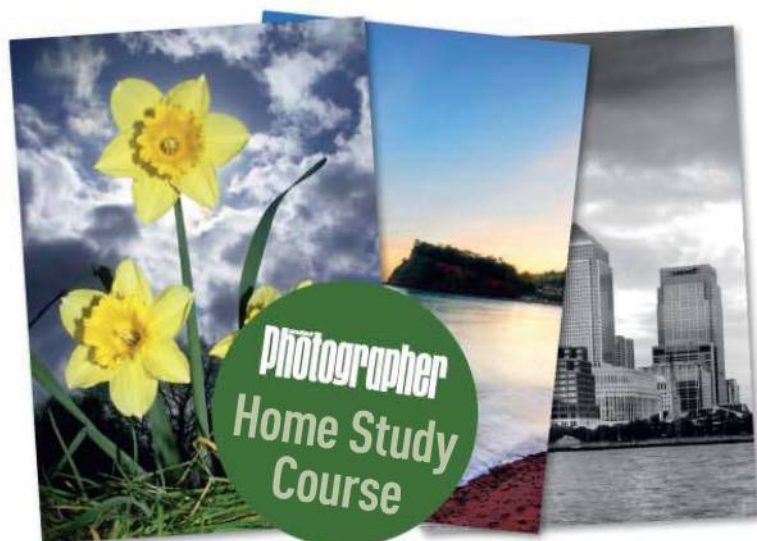


NEX-5



# IMPROVE YOUR PHOTOSHOP & ELEMENTS SKILLS

Learn how to use your image editing software – **enrol today!**



The Foundation in Digital Imaging Techniques is an entry-level course for first-time users of Adobe Photoshop, Photoshop Elements and other image-editing software programs. This is a home study course so you are free to work at your own pace and in your spare time, and there are no classes to attend or tests to sit. Enrol today, receive your student pack and start learning new skills!

## LEARN HOW TO:

- Size and crop a digital image
- Adjust tones, correct colours and convert your images to monochrome
- Use the selection tools to adjust certain areas of your images
- Remove dust and scratches from precious photos
- Banish red-eye forever
- Sharpen your images
- Create an archive to safeguard valuable pictures

## Your course includes

- Full colour, illustrated manual
- Personal tutor
- Written feedback on the coursework you submit
- Free kit: universal card reader, lens brush, inkjet paper
- Offer on Photoshop CS4 Extended
- 50% off an annual subscription to *Amateur Photographer* or *What Digital Camera* magazine
- 20% off digital print orders with PhotoBox
- 20% off digital prints with Arrowfile
- 10% off Jessops branded products
- Official course certificate on graduating



\*This price is a special rate for those who do not qualify as a 'full time' student in order to obtain a discounted version of CS4 extended direct from Adobe.

**SPI** SCHOOL OF PHOTOGRAPHIC IMAGING

In association with [www.nikon.co.uk](http://www.nikon.co.uk)



For detailed course contents visit [www.spi-photography-courses.com](http://www.spi-photography-courses.com) and download an information pack, or call **Charlene Baker** on **0203 148 4326**.

**TO ENROL OR FOR MORE INFORMATION SEND THIS COUPON TO**

The School of Photographic Imaging Administrator  
Blue Fin Building, 9th Floor,  
110 Southwark Street, London SE1 0SU  
or call 0203 148 4326

- ☐ Yes, I'd like to enrol on the Foundation in Digital Imaging Techniques  
☐ Please send me more details about the courses

Mr/Mrs/Ms ..... Forename .....  
Surname .....  
Address .....  
.....  
Postcode .....  
Daytime tel number .....  
Email .....

If you would like to receive the SPI student E-newsletter please tick here ☐

**HOW TO PAY: (UK RATES).**  
Overseas fees available on request

**BY CHEQUE OR POSTAL ORDER:**  
Made payable to IPC Media for: ☐ £195

**BY CREDIT CARD:**  
Mastercard ☐ Visa ☐

Card number .....  
Issue number .....  
Start date .....  
Expiry date .....  
Three-digit security number .....

Signature (I am over 18)

**BY DIRECT DEBIT:**  
Please note, if you are paying by Direct Debit the full cost of the course will be £210

☐ Yes, please send me a bank instruction form to deduct three monthly debits of £70 from my account

Signature (I am over 18)

If you would like to receive emails from the SPI containing news, special offers and product and service information and take part in research, please tick here ☐

*Amateur Photographer*, published by IPC Media (IPC), will collect your personal information to process your entry. IPC would like to contact you by post or telephone to promote and ask your opinion on our products and services. Tick here if you prefer not to hear from IPC ☐

IPC will occasionally pass your details to carefully selected organisations so they can contact you by telephone or post with regards to promoting and researching their products and services.  
Tick here if you prefer not to be contacted ☐

**SPI** SCHOOL OF PHOTOGRAPHIC IMAGING

AP SP ~ 10 July 2010



LEARN  
FROM THE  
EXPERTS

# Landscape

## The Amateur Photographer Masterclass with Lee Frost

Lee Frost and members of **Alnwick & District Camera Club** capture dawn light in Northumberland. **Gemma Padley** joins them and finds out how to create brilliant coastal landscapes



### Northumberland coast

#### Location

Bamburgh Castle is situated on the north-east coast of Northumberland. For more information visit [www.bamburghcastle.com](http://www.bamburghcastle.com). Holy Island, which is also known by its Anglo-Saxon name Lindisfarne, is situated near Berwick-upon-Tweed and has a population of just over 150. For more information visit [www.lindisfarne.org.uk](http://www.lindisfarne.org.uk). Dunstanburgh Castle is located in Craster, Alnwick. Visit [www.english-heritage.org.uk/daysout/properties/dunstanburgh-castle](http://www.english-heritage.org.uk/daysout/properties/dunstanburgh-castle) for more information.



**IF YOU'RE** able to haul yourself out of bed when most people are still enjoying sweet dreams, there is little doubt that dawn light offers some of the best photo opportunities in landscape photography. When the light is on your side, photographing at dawn can produce some magical images. For this month's Masterclass, AP expert Lee Frost and five photographers from Alnwick & District Camera Club met at Bamburgh beach in Northumberland to catch the dawn light and see if they could produce some memorable coastal landscape images.

As the morning progressed, Lee and the participants moved to other locations, including Holy Island and Dunstanburgh Castle at Craster, to explore composition, where they tried different vantage points to see what results they could get. The photographers brought their own camera equipment with them – DSLRs and tripods with a range of wideangle and telephoto zoom lenses – and Lee shared his advice on all aspects of composition, including how to use leading lines, frame the subject and

incorporate foreground detail.

Lee stressed the importance of choosing the right location and explained how to scout out the best vantage point, as well as showing how to use slow shutter speeds and ND grad filters to capture tidal motion and create atmospheric compositions. Lee also explained how to shoot classic wideangle landscapes, close-up details within the scene, and got the readers to try more abstract shots by panning the camera.

The focus of the first part of the *Masterclass* was to use morning light in the most effective ways possible. Dawn was just before 5am and the participants met Lee at 4am. High tide was at 2am, so the water was already receding when the photographers arrived. 'Sometimes pre-dawn light produces stunning images, but you need to be at the location an hour before dawn,' says Lee. 'Colour is often at its best before the sun rises and the build-up can be intense. As the tide goes out it reveals ripples in the sand, which can look striking, especially when the light is reflected on them.'



## Your AP Master... Lee Frost



As one of the leading landscape photographers working today, Lee has a wealth of experience in all areas of landscape photography. He has published many books on photography, including *The Creative Photography Handbook*, *50 Photo Projects Ideas* and, most recently, *Lee Frost's Landscape Photography*. He runs workshops and also one-to-one tuition. For more information visit [www.leefrost.co.uk](http://www.leefrost.co.uk).

## The AP readers...



### Ian Atkinson

Ian lives in Alnwick and uses a Canon EOS 40D and EOS 400D with 70-200mm, 28-135mm and 10-22mm lenses. 'I enjoyed sharing ideas with like-minded photographers,' says Ian.



### Manfred Broch

Manfred lives in Alnwick and uses a Canon EOS 450D with 18-55mm and 70-300mm lenses. 'Today I learned how to calculate depth of field to ensure my images were sharp,' he says.



### Jane Coltman

Jane lives in Alnwick and uses a Nikon D2XS with 17-35mm and 70-200mm lenses. 'I learned a lot about composition,' says Jane. 'I enjoyed photographing at dawn – it shows it is worth getting up early.'



### Barry Robertson

Barry lives in Morpeth and uses a Canon EOS-1Ds Mark II with 16-35mm, 24-70mm, 75-300mm and 100mm macro lenses. 'I've used ND grad filters before but with Lee's advice, I achieved images I was pleased with.'



### Keith Saint

Keith lives in Ashington and uses a Canon EOS 50D with 10-20mm, 24-70mm, 70-200mm and 300mm lenses. 'I learnt how to get more from a subject,' says Keith. 'I like using long exposures to create movement and tried placing objects in the foreground.'

## Dawn light

**NO ONE** can predict what the weather will do ahead of a shoot, but Lee makes frequent checks on the weather forecast the night before. Visit [www.metcheck.com](http://www.metcheck.com) for forecast updates. He also checks the time of sunrise at [www.britishinformation.com/sunrise-and-sunset-times](http://www.britishinformation.com/sunrise-and-sunset-times). 'Knowing what time dawn breaks is vital,' says Lee. 'You don't want to arrive and realise you've missed first light. At Bamburgh Castle the sun rises to the north so make sure you are set up ready to catch the light as it breaks through. If you know how the light will be in a certain place, you can choose your locations to suit.' While there was some cloud cover on this occasion, it added to the strength of the compositions – the readers made the most of the light as it appeared through the cloud and watched how the cloud movement affected the castle.

Understanding how light will fall on a subject and being prepared to adapt as the light changes is key to creating successful images. While the readers were waiting for the sun to break through onto the castle, Lee encouraged them to look around and notice dramatic light elsewhere. Although the readers had their cameras trained on Bamburgh Castle hoping to capture it lit from the side, there was incredible light unfolding behind them. 'Quite often you can take advantage of the light in other parts of the sky, not necessarily where you expect,' says Lee. 'Use your initiative and think about how you can exploit the rapidly changing light.'

## Maximising depth of field

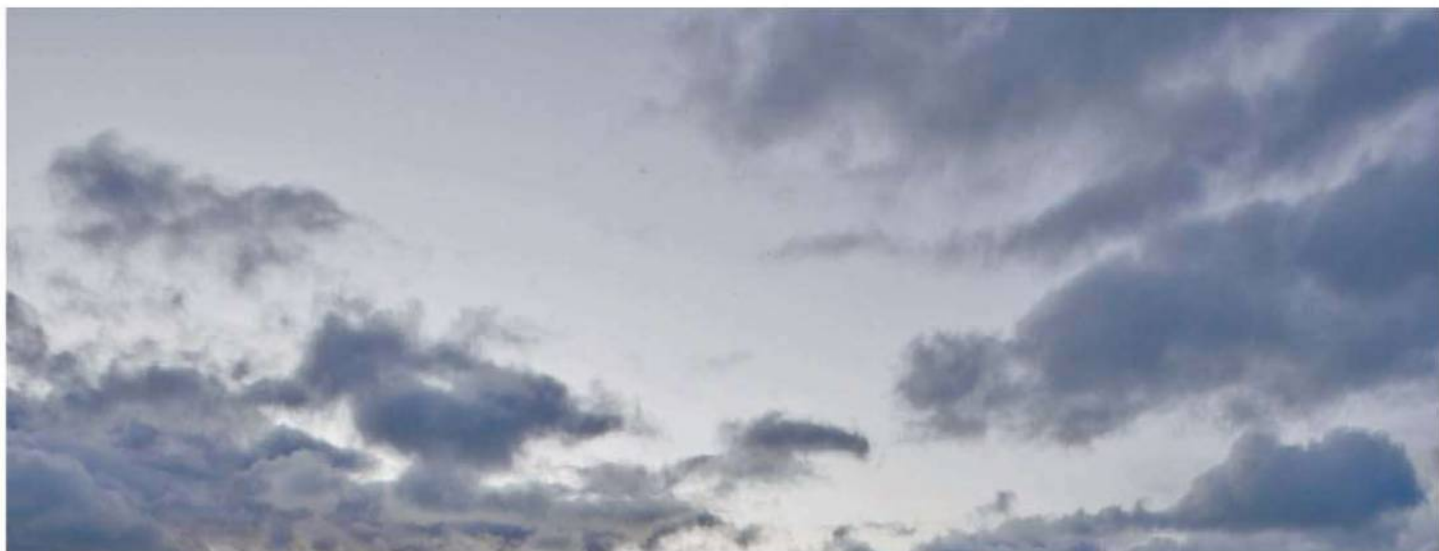
**'CONTROLLING** depth of field is vital when shooting landscapes, as you generally want to record everything in sharp focus from the immediate foreground to infinity,' says Lee. 'If you are using traditional manual-focus lenses, you can use the depth of field scale on the lens barrel to determine what the nearest and furthest points of sharp focus will be at any given aperture and focusing distance. Yet many modern autofocus lenses lack a comprehensive depth of field scale. It is tempting to focus on infinity or to stop down to f/22 and hope for the best, but this is a rather hit-and-miss approach. A better option is to use hyperfocal focusing to achieve optimum depth of field. You do this by focusing on a predetermined distance for a given aperture and lens focal length. Switching lenses to manual focus from AF is useful as it means you can control exactly where the lens is focused.' Look out for an in-depth feature on depth of field later this month.



JANE COLTMAN

LEE FROST

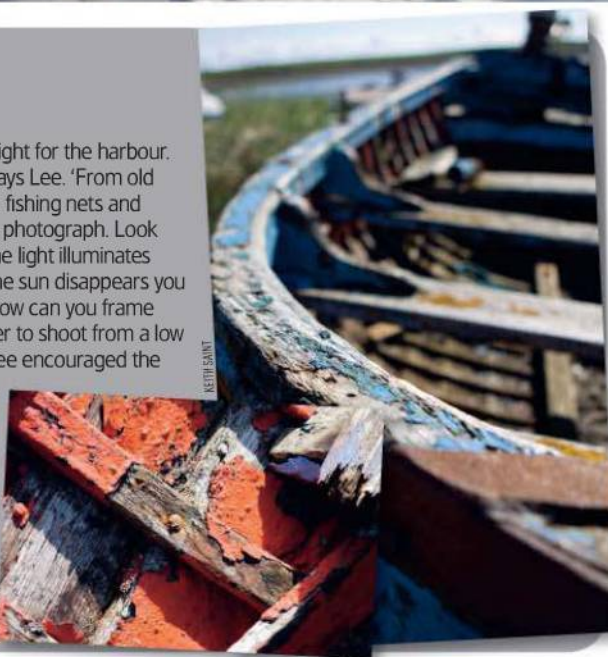




BARRY ROBERTSON

## Photographing detail

**AT HOLY** Island the readers headed straight for the harbour. 'The harbour is great for close-up details,' says Lee. 'From old boats with flakey paint to tangled, discarded fishing nets and weathered timber, there are many things to photograph. Look for patterns and textures, and notice how the light illuminates certain parts of a subject,' he says. 'When the sun disappears you can see colour in the rocks and seaweed. How can you frame the shot to create impact? Would it be better to shoot from a low angle or include only part of the subject?' Lee encouraged the readers to look for striking rock formations, ripples in the sand and reflections in rock pools. 'Pools of water sometimes reflect colour in the sky and can make interesting compositions,' he says. 'Shooting details is a good fallback on an overcast day as you don't have to worry about what the sky looks like. Using a polariser will reduce the sheen on rocks in bright sunlight.'



KEITH SAINT

AMATEURPHOTOGRAPHER

## Using ND grad filters

**LATER** in the morning the readers moved to the boulder field at the base of Dunstanburgh Castle where they experimented with ND grad filters. 'You could try using a 10-stop ND filter to achieve exposures of several minutes in broad daylight,' says Lee. 'Any moving elements will be blurred beyond recognition and the landscape takes on a surreal beauty.'

A **0.6 ND filter** increases the exposure by 2 stops, so 1sec becomes 4secs. A polariser will also achieve this.

A **0.9 ND filter** increases the exposure by 3 stops, so 1sec becomes 8secs.

A **1.2 ND filter** increases the exposure by 4 stops, so 1sec becomes 16secs.

**Two ND filters** combined increase the exposure by several seconds. For example, with a 0.6ND and 0.9ND filter, a 1sec exposure becomes 32secs.

## Capturing motion in water

**USING** slow shutter speeds to blur the movement of water is not difficult to do but it does require a little thought to get right. 'At dawn, light levels are low so it's easy to achieve long exposures of 30secs or more,' says Lee. 'During the daytime strong neutral density (ND) filters can be used to increase exposure times by reducing the amount of light entering the lens. You can set your camera to its lowest ISO and smallest lens aperture, but even then you may find that exposures are still too brief. I use a 10-stop ND filter regularly to give me exposures of several minutes. You don't need to go to these extremes, though, as sometimes an exposure of a few seconds can work well, blurring breaking waves to add atmosphere while still retaining plenty of texture in the water. Make sure your tripod doesn't shift into the sand during a long exposure as this will make your shots blurred.'



LEE FRANKS



Leading lines



BARRY ROBERTSON

Focal point



IAN ATKINSON

Abstract



MAURITZ BOSCH

Shooting wide



KEITH SLANT

Silhouettes



KEITH SLANT

# Composition

**THROUGHOUT** the day Lee suggested various compositional approaches and reminded the readers to think carefully about what they were trying to achieve. 'Don't underestimate the importance of composition,' he says. 'It's even more important than the quality of light to an extent, as you can get round poor light by converting an image to black & white, but there's nothing you can do about a badly composed image.' With this in mind, Lee shared some compositional tips with the readers.

## Leading lines

**USING** lines to lead the eye into the frame is one of the easiest ways to add dynamism to a composition. The participants photographed Lindsfarne Castle and experimented with using a nearby fence to guide the viewer through the frame and up to the castle in the distance. In Barry's image (see top left) he set up his tripod against the fence and angled his camera down slightly to give an exaggerated sense

of perspective. He has captured the light and shadow on the fence, which adds to the sense of depth. Lee reminded the photographers to work out the best shooting angle and suggested they think carefully about their camera orientation when framing a subject. 'Quite often scenes lend themselves to the landscape format, but others will suit a portrait format,' he says. 'In this case a vertical format works best to accentuate the fence in the frame.' Leading lines that are clearly defined in the composition work well, but you can be more subtle in your approach. In his image on page 23, Lee uses the rock and swirls of water in the centre to draw the viewer into the frame. The effect is less obvious and more gradual, but nevertheless effective.

## Focal point

**WHEN** shooting a landscape the first step is to decide what your focal point will be. Once you have decided on a subject, it's a good

idea to stand back and survey the scene to work out the best place to position it in the frame. Traditionally, the strongest place for the subject is 'on a third' as this creates balance, but this doesn't always have to be the case. You could try placing the subject directly in the centre and using surrounding objects to frame it, as Ian has done (see top middle). Surrounding elements have an important role to play in conveying the mood of a place, and how they relate to the main subject is key. Try focusing on foreground objects such as shells or rocks but angle your shot so they are diagonal to the main subject to give the composition a sense of unity.

## Shooting wide

**'TO GET** a sense of scale and space you need a wideangle lens,' says Lee. 'By pulling back from a scene you can place the castle in its context and create drama, but with a telephoto lens you lose the impact. Coming in close

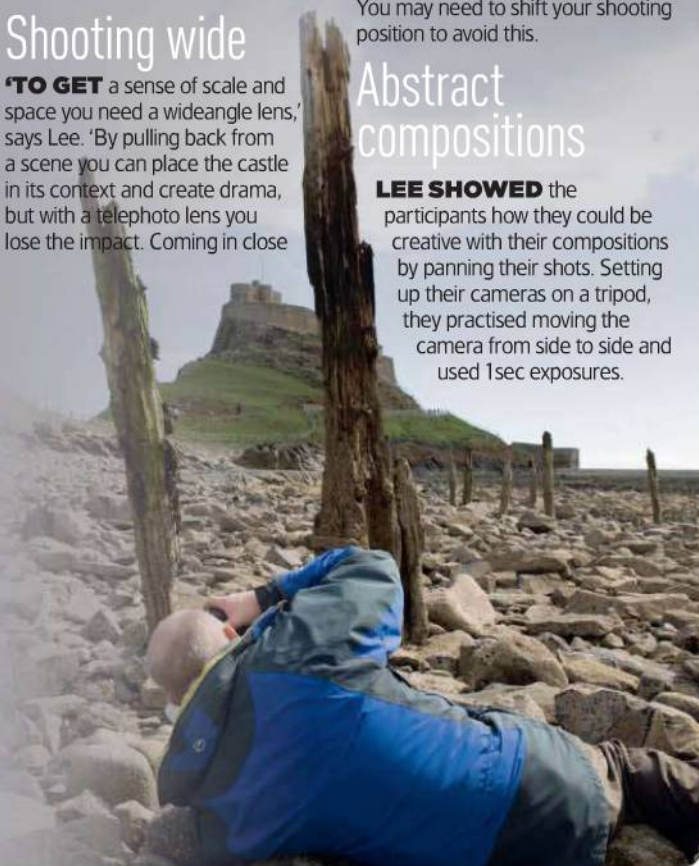
with a wideangle lens exaggerates perspective and emphasises foreground detail. You could try using a 10–20mm or 12–24mm wideangle zoom lens, which will give you an extremely wide shot, but a 28mm lens will work just as well.'

## Silhouettes

**ONE WAY** to make a subject look dramatic is to shoot into the light to create a silhouette. In Keith's image of Lindsfarne Castle (see left), a starburst effect adds to the graphic nature of the image. Converting to black & white further increases the impact. If you are using a filter, be aware of lens flare. You may need to shift your shooting position to avoid this.

## Abstract compositions

**LEE SHOWED** the participants how they could be creative with their compositions by panning their shots. Setting up their cameras on a tripod, they practised moving the camera from side to side and used 1sec exposures.

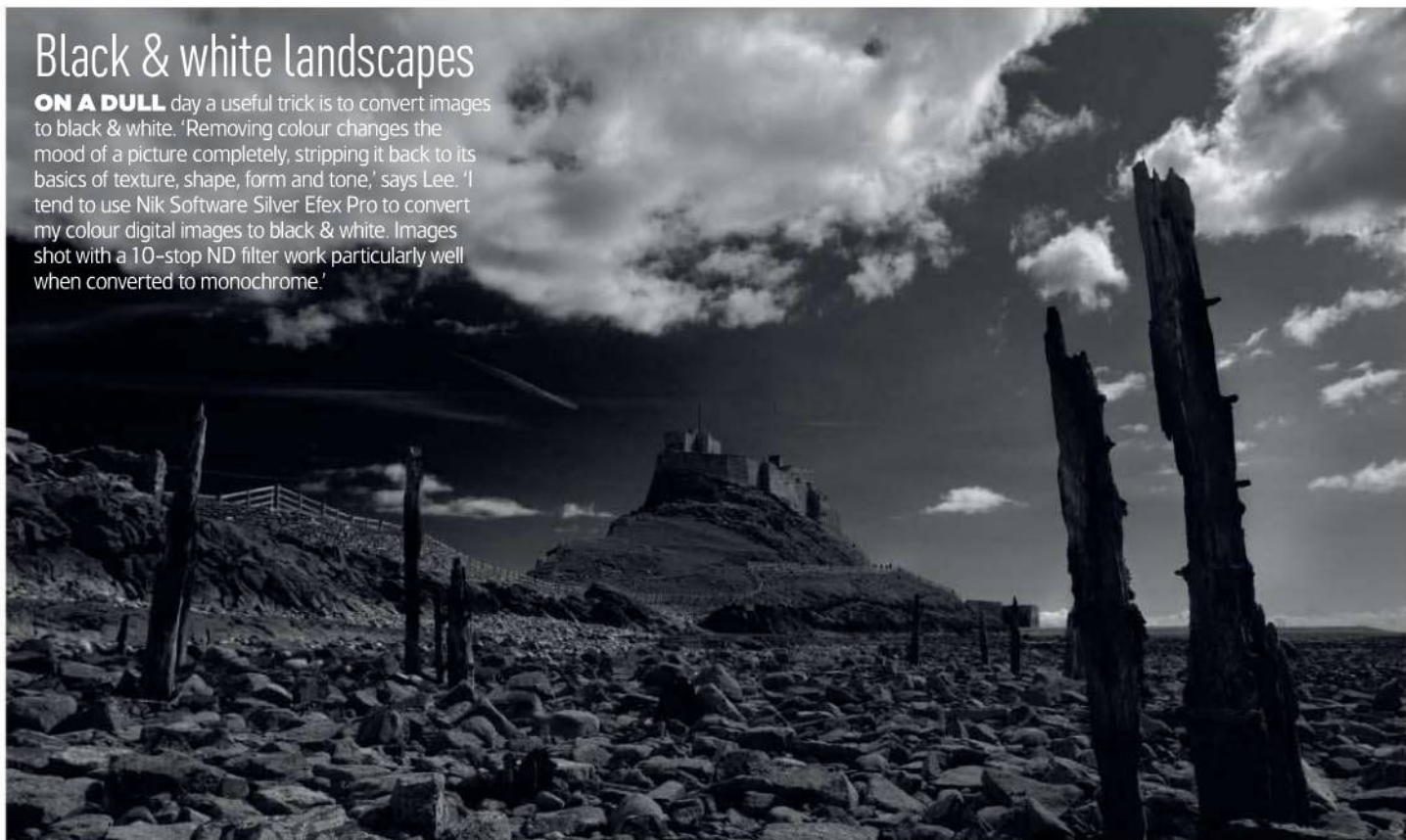


LEE ROOST



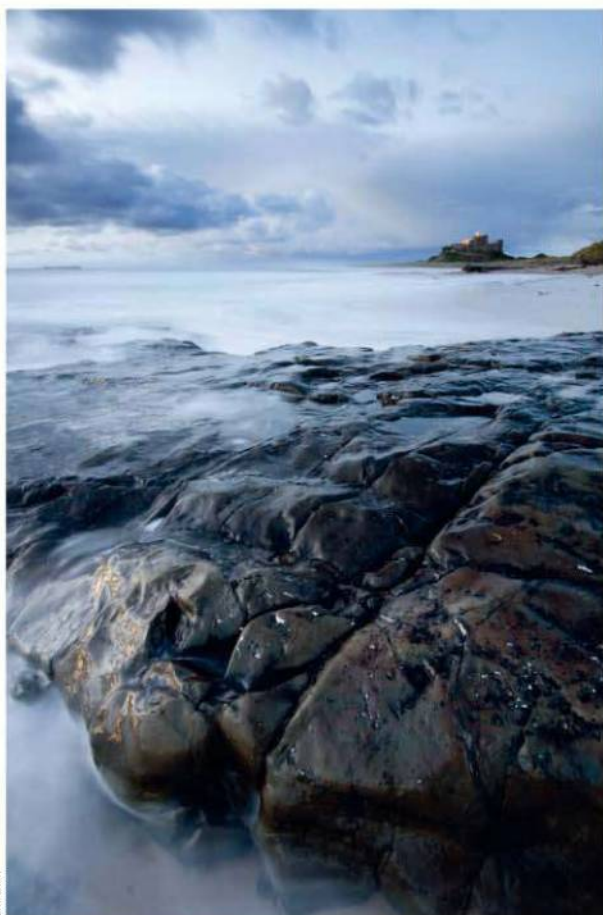
## Black & white landscapes

**ON A DULL** day a useful trick is to convert images to black & white. 'Removing colour changes the mood of a picture completely, stripping it back to its basics of texture, shape, form and tone,' says Lee. 'I tend to use Nik Software Silver Efex Pro to convert my colour digital images to black & white. Images shot with a 10-stop ND filter work particularly well when converted to monochrome.'



JANE COLTHAM

**'A lump of rock on its own is not very appealing, but with crashing waves it becomes quite dramatic'**



KEITH SAINT

## Using the tide in your image

**'WITH** coastal landscapes it is important to know what the tide is doing as some locations benefit from a high tide and others from a low tide,' says Lee. 'You don't want to turn up at a location intending to photograph a castle with the sea around it and find the water is nowhere to be seen, so pre-planning is essential. Beaches look their best when the tide has been receding through the night as the sand will be clean and clear of footprints'. To find out more about tide times around the UK, visit [www.bbc.co.uk/weather/coast/tides](http://www.bbc.co.uk/weather/coast/tides). 'From a safety point of view, knowing the tide time is crucial,' he adds. 'You don't want to be cut off by the incoming tide or for your camera bag to be washed away by a rogue wave. If you are armed with the correct knowledge you can choose the safest, most photogenic locations.'

Lee explained how the photographers could time their shots to incorporate the tide creatively and explained how the motion of the waves could make a real difference to the look of their images. 'When including rocks in your composition, think about how you can use the waves to make your shots more dramatic,' says Lee. 'A lump of rock on its own is not very appealing, but with crashing waves it suddenly becomes quite dramatic.'



## Would you like to take part?

**EVERY** month we invite three to five AP readers to join one of our experts on an assignment over the course of a day. The experts are **Lee Frost** (landscapes), **Brett Harkness** (portraits), **Paul Hobson** (wildlife) and **Clive Nichols** (gardens). This is Lee's first *Masterclass*, and he will appear again in October. Brett will appear in November, with Clive appearing in August and December, and Paul in September.

If you would like to take part, visit [www.amateurphotographer.co.uk/masterclass](http://www.amateurphotographer.co.uk/masterclass) for details of how to apply. Please remember to state which *Masterclass* you would like to attend and make sure you include your name, address, email address and daytime telephone number in your application. Each participant will be able to use his or her own camera, lenses and other equipment.



# Grays of Westminster®

Exclusively... **Nikon**



## THE HOUSE OF **Nikon**

**thinkTANK™**

GRAYS OF  
WESTMINSTER  
OFFICIAL  
STOCKIST OF  
THINK TANK BAGS



**WANTED  
FOR CASH:  
Nikon**

We are always seeking  
mint or near-mint  
examples of Nikon  
equipment: Digital  
& Film SLRs, Nikkor  
Lenses: autofocus  
& manual focus

Please telephone  
☎ 020-7828 4925  
for our offer



### NIKON DIGITAL CAMERAS

Nikon D3x SLR body .....	£4,835.00
Nikon D3x + AF-S 14-24mm f/2.8G IF-ED Kit .....	£6,120.00
Nikon D3x + AF-S 24-70mm f/2.8G IF-ED Kit .....	£6,030.00
Nikon D3x + AF-S 14-24mm & 24-70mm f/2.8G Kit .....	£7,315.00
Nikon D3s SLR body .....	£3,599.00
Nikon D3s + AF-S 14-24mm f/2.8G IF-ED Kit .....	£4,885.00
Nikon D3s + AF-S 24-70mm f/2.8G IF-ED Kit .....	£4,790.00
Nikon D3s + AF-S 14-24mm & 24-70mm f/2.8G Kit .....	£6,079.00
Nikon D700 SLR body .....	£1,765.00
Nikon D700 + AF-S 14-24mm f/2.8G IF-ED Kit .....	£3,049.00
Nikon D700 + AF-S 24-70mm f/2.8G IF-ED Kit .....	£2,950.00
Nikon D700 + MB-D10 grip (*Free Grip with Nikon Offer) ...	£1,765.00*
Nikon D700 + AF-S 14-24mm & 24-70mm f/2.8G Kit .....	£4,235.00
Nikon D300S SLR body .....	£1,139.00
Nikon D300S + AF-S 18-85mm f/3.5-5.6G ED VR DX .....	£1,535.00
Nikon D300S + AF-S 18-200mm f/3.5-4.5G VR II Kit .....	£1,679.00
Nikon D90 body SLR body (*Price includes Nikon Cashback Offer) .....	£559.00*
Nikon D90 + 18-105mm f/3.5-5.6G VR DX IF-ED (*Price includes £60 Cashback offer) .....	£709.00*
Nikon D90 + 18-200mm f/3.5-5.6G VR II DX IF-ED Kit .....	£1,155.00
Nikon D5000 body .....	£415.00
Nikon D5000 + AF-S 18-55mm f/3.5-5.6G VR DX Nikkor Kit .....	£485.00
Nikon D5000 + AF-S 55-200mm f/4-5.6G VR DX IF-ED .....	£709.00
Nikon D3000 body .....	£299.00
Nikon D3000 + AF-S 18-55mm f/3.5-5.6G VR DX Kit .....	£349.00

### NIKON FILM CAMERAS

Nikon F6 body .....	£1,699.00
Nikon F6 Pro (F6 + MB-40 grip) .....	£1,899.00

### NIKON COOLPIX

Nikon Coolpix S8000 .....	£269.00
---------------------------	---------

### AF-S & AF DX NIKKOR LENSES

10.5mm f/2.8G AF DX ED Fisheye .....	£519.00
AF-S 35mm f/1.8G DX .....	£169.00
AF-S 10-24mm f/3.5-4.5G IF-ED DX .....	£599.00
AF-S 12-24mm f/4G IF-ED DX .....	£799.00
AF-S 16-85mm f/3.5-5.6G ED VR DX .....	£399.00
AF-S 17-55mm f/2.8G DX IF-ED .....	£1,025.00
AF-S 18-55mm f/3.5-5.6G VR ED DX .....	£145.00
AF-S 18-105mm f/3.5-5.6G VR DX IF-ED .....	£189.00
AF-S 18-200mm f/3.5-5.6G VR II DX IF-ED .....	£539.00
AF-S 55-200mm f/4-5.6G DX .....	£189.00
AF-S 55-200mm f/4-5.6G DX VR .....	£230.00

### AF FX NIKKOR LENSES

14mm f/2.8D AF ED .....	£1,189.00
16mm f/2.8D AF Fisheye .....	£599.00
20mm f/2.8D AF .....	£465.00
24mm f/2.8D AF .....	£335.00
28mm f/2.8D AF .....	£220.00
35mm f/2D AF .....	£255.00
50mm f/1.8D AF .....	£109.00
50mm f/1.4D AF .....	£229.00
85mm f/1.8D AF .....	£305.00
85mm f/1.4D AF IF .....	£889.00
105mm f/2D AF-DC .....	£799.00
135mm f/2D AF-DC .....	£969.00
180mm f/2.8D AF IF-ED .....	£625.00

### AF-S FX SILENT WAVE NIKKOR LENSES

AF-S 24mm f/1.4G ED .....	£1,895.00
AF-S 50mm f/1.4G IF .....	£289.00
AF-S 14-24mm f/2.8G IF-ED .....	£1,289.00
AF-S 16-35mm f/4G ED VR .....	£949.00
AF-S 17-35mm f/2.8D IF-ED .....	£1,525.00
AF-S 24-70mm f/2.8G IF-ED .....	£1,195.00

AF-S 24-120mm f/3.5-5.6G VR IF-ED .....	£549.00
AF-S 70-200mm f/2.8G VR II IF-ED .....	£1,629.00
AF-S 70-300mm f/4.5-5.6G VR IF-ED .....	£399.00
AF-S 200-400mm f/4G VR IF-ED .....	£4,649.00
AF-S 200mm f/2G VR IF-ED .....	£3,069.00
AF-S 300mm f/4D IF-ED .....	£969.00
AF-S 300mm f/2.8G VR II IF-ED .....	£4,249.00
AF-S 400mm f/2.8G VR IF-ED .....	£6,519.00
AF-S 500mm f/4G VR IF-ED .....	£5,799.00
AF-S 600mm f/4G VR IF-ED .....	£6,995.00
TC-14E II 1.4x teleconverter .....	£315.00
TC-17E II 1.7x teleconverter .....	£315.00
TC-20E II 2x teleconverter .....	£299.00
TC-20E III 2x teleconverter .....	£445.00

### AF FX ZOOM-NIKKOR LENSES

18-35mm f/3.5-4D AF IF-ED .....	£495.00
24-85mm f/2.8-4D AF IF .....	£520.00
80-200mm f/2.8D AF IF-ED N .....	£1,175.00

### AF & AF-S MICRO-NIKKOR LENSES

60mm f/2.8D Micro .....	£329.00
AF-S 60mm f/2.8G ED Micro .....	£399.00
AF-S 85mm f/3.5G VR DX IF-ED Micro .....	£399.00
AF-S 105mm f/2.8G AF-S VR Micro IF-ED .....	£599.00
200mm f/4D AF Micro IF-ED .....	£1,295.00

### NIKON SPEEDLIGHTS

SB-900 Speedlight .....	£329.00
SB-600 Speedlight .....	£235.00
SB-400 Speedlight .....	£135.00
SB-R1C1 Close-Up Commander Kit .....	£599.00
SB-R1 Close-Up Remote Kit .....	£409.00
SU-800 Wireless Speedlight Commander .....	£299.00
SB-R200 Wireless Remote Speedlight .....	£185.00

### MANUAL FOCUS NIKKOR AIS LENSES

20mm f/2.8 Nikkor .....	£901.00
24mm f/2.8 Nikkor .....	£608.00
28mm f/2.8 Nikkor .....	£615.00
35mm f/1.4 Nikkor .....	£1,227.00
45mm f/2.8P Nikkor, chrome .....	£325.00
50mm f/1.4 Nikkor .....	£597.00
50mm f/1.2 Nikkor .....	£743.00
180mm f/2.8 ED Nikkor .....	£799.00

### ZOOM-NIKKOR MANUAL AIS LENSES

28-85mm f/3.5-4.5 Zoom-Nikkor .....	£599.00
-------------------------------------	---------

### SPECIAL PURPOSE: PERSPECTIVE

#### CONTROL AND MICRO-NIKKOR LENSES

24mm f/3.5D PC-E (Tilt/Shift-Perspective Control) ED Nikkor .....	£1,365.00
28mm f/3.5 PC (Perspective Control) Nikkor .....	£1,195.00
45mm f/2.8D ED PC-E (Tilt/Shift-Perspective Control) Nikkor .....	£1,375.00
55mm f/2.8 Micro-Nikkor .....	£541.00
85mm f/2.8D PC (Perspective Control) Micro-Nikkor .....	£1,275.00
85mm f/2.8D ED PC-E (Tilt/Shift-Perspective Control) Nikkor .....	£1,375.00
105mm f/2.8 Micro-Nikkor .....	£1,047.00
200mm f/4 Micro-Nikkor .....	£895.00
PC: Perspective Control. PC-E: Tilt/Shift-Perspective Control	

### NIKON SCANNERS & ACCESSORIES

Nikon Super Coolscan 9000 ED .....	£2,895.00
------------------------------------	-----------

*"Grays of Westminster – The High  
Church of Nikon" – Professional  
Photographer News & Reviews*

Prices include 17.5% VAT. Prices Subject to Change. E.&O.E.

**TO ORDER TELEPHONE 020-7828 4925**

\*Offers valid in the UK and ROI only. D90 and Free grip with D700 offers ends 30th June, 2010.





PROBABLY THE WIDEST RANGE  
OF NEW & SECONDHAND  
**Nikon** IN THE WORLD

 **020-7828 4925**

THE KIND OF SERVICE OF WHICH LEGENDS ARE MADE



# FIRST COME, FIRST SERVED.

## NIKON S4 RANGEFINDER CAMERA

Nikon S4 rangefinder, chrome c/w 5cm f/2 Nikkor-H lens, black, 40.5mm L38 UV filter, chrome, correct lens hood. RARE EXC £3000.00. Announced by Nikon, in March 1959, the S4 was never exported but was sold only in the Japanese domestic market, and within the military PX (post exchange) system. According to Robert Rotoloni, in his magnum opus *The Complete Nikon Rangefinder System*, there were a total of 5,898 Nikon S4s made, making it the lowest production model since the Nikon M. (Chess Set not included).



TO ORDER TELEPHONE  
**020-7828 4925**

S4 photographed  
by Tony Hurst

Visit our website: [www.graysofwestminster.com](http://www.graysofwestminster.com)

worldmags & avaxhome



# Halcyon diaries



Obsessed with kingfishers since boyhood, **Charlie Hamilton James** has spent the past five years documenting their behaviour. He tells **Jeff Meyer** of the challenges and why this project taught him so much about photography









To get fill-flash shots of birds diving, Charlie had to shoot at dawn before the sun had fully risen and the background (the edge of a wood) was still dark



**'I'M SLIGHTLY** chaotic,' admits Charlie Hamilton James. The acclaimed wildlife photographer and star of BBC1's *Halcyon River Diaries* documentary is explaining his method for planning a project of such mammoth scope and technical proficiency as his five-year study of the habits of the kingfishers that live next to him along the Halcyon River. With three children, a production company to run and the unpredictable nature of weather and wildlife, following any kind of plan is no mean feat.

Kingfishers have been an obsession for Charlie going all the way back to when he was eight years old. Growing up along the same river, his fascination with animals had him sitting in hides, studying their movements and patterns when other kids would be playing football and other games. Eventually, he started taking pictures of the intrepid birds.

Despite his admission, however, 'chaotic' is hardly the word that springs to mind when flipping through the culmination of Charlie's years of backbreaking work crouched in hides and brambles: the beautiful hardback book *Kingfisher: Tales from the Halcyon River*. Shot largely in the last year of his five-year study, *Kingfisher* follows the birds through the seasons and sparkles with bold images of them contorted into all sorts of dramatic displays. There is no question each picture and sequence was painstakingly considered.

'I obsessively pre-visualise most of the shots I take,' he says. 'I have an idea of the head position, the wingspan, for instance,



**Kingfisher's feathers are actually brown, says Charlie. The blue you see is reflected light**

and I wait until I can get it. A large part of what I do is waiting in hides.'

It helps, though, that kingfishers are creatures of habit. They obsess over routines and tend to fish and nest in the same spots, making it easier for Charlie to know where to set up his hides along the river and to predict their movements. 'Their repetitive nature is very useful from that point of view,' he says. 'It allows me to make a mental picture in my head. I know the bird will dive in this spot because I've seen it dozens of times, which means I know where to pre-focus, where to aim my flashguns and which direction it will be facing.'

'That said, I never quite achieve the image I see in my mind, so I'm relentlessly frustrated. I'll take a batch of shots and get pissed off because it's not working. But over time I will eventually forget what I originally set out to do, and the pictures then take on new meaning.'

Despite winning the Young Wildlife Photographer of the Year award in 1990 and 1991, Charlie admits he learned a lot about photography in doing this project. 'I went into this having not really taken pictures for ten years,' he says. In the decade prior Charlie worked predominantly as a cinematographer, even earning a BAFTA nomination in 2007. This period just happened to coincide with momentous changes in photography, and when he returned to taking stills he found many of the rules had changed.

'When I went back to my camera all I had was my old Nikon film

## GOING UNDERWATER

**TO PHOTOGRAPH** the moment when the lightning-quick kingfishers seize their prey, Charlie used a mixture of the high-tech and DIY. In his garden is a large metal boat that has collected several years' worth of rainwater, and the leaves collected at the bottom have turned it black, making the water reflect like a mirror. After shrouding the sides with plants, Charlie released some fish he trapped in the river – and then he waited. Sure enough, within days the kingfishers began checking it out.

Charlie then built a cube out of Perspex that was 12x12x12in square. The cube is an open box, but on one side he has fashioned a dome port, into which he inserts and makes adjustments to his

camera. The cube doesn't sink completely, which keeps the camera safe, though Charlie admits he lost at least one camera in taking this series. Next, Charlie takes two old Vivitar 283 flashguns that he bought on eBay for only a couple of quid and stuffs them in sandwich bags. Sealed with elastic bands, he dangles them upside down in the water.

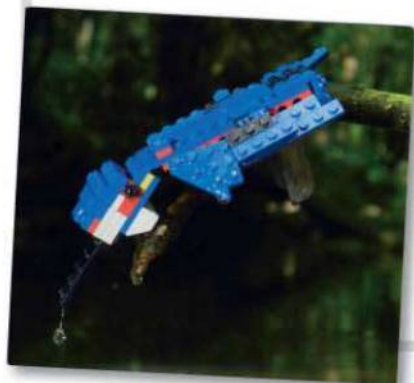
With everything in place, Charlie ran a USB cable and trigger from the cube for about ten metres to where he sat in his hide. Wiring the camera back to his computer, Charlie can watch all the action on Live View and make sure everything looks right. He could then take pictures by clicking the track pad on his laptop.

Finally, to get the lighting, focus and focal length correct before placing the camera in the cube, Charlie constructed a kingfisher out of Lego blocks (see left). This lets him see how strong his lights will be when they're all working together. 'Because there is no definitive colour of a kingfisher, there's no ideal way to pre-light them,' he says. 'You basically try to avoid making them to look green or turquoise.'

Because all of this takes about an hour to set up, it pays to get these details sorted out at the start.



**Charlie submerged his camera in a Perspex cube to get this underwater action shot**





kit. Everything was now digital. So because I was trying to woo *National Geographic*, I went out and bought a Canon EOS-1Ds Mark II and had to learn as I went. It came quickly, though, and it gave me the technology to work with the light.'

Light, in fact, was one of Charlie's biggest obstacles. Grey skies and dull mornings hampered many of his close-ups of kingfishers returning to their nests or perched on branches. 'Lighting has been my biggest learning curve,' he says. 'I needed fast shutter speeds of around 1/3000sec to be able to freeze their movements, and this requires a lot of light. It was proving very difficult, and it was the sticking point with getting them published in *National Geographic*.'

Because he struggled with the light so much, Charlie was forced to shoot with flash pretty much the whole time, sometimes having to use up to five flashguns. These would typically be arranged with one flashgun placed to the right of the camera, one high up and to the right, one at about 90° to the left, one on the other side of the river and one picking off a bush in the background.

'It helped that I usually knew exactly where the bird was flying,' Charlie says. 'I generally set my flash to 1/8 or 1/16 power, but because I was struggling so much for light I set it to 1/4. But even 1/4 was not fast enough. On my computer there was still motion blur. Lighting has been my biggest learning curve.'

He attributes a lot of his new technical know-how to the rigorous standards imposed by *National Geographic*, with whom

**This kingfisher emerges from the water having failed to catch a fish**

**'Light was one of Charlie's biggest obstacles. Grey skies and dull mornings ruined many of his close-ups'**



he first published his kingfisher images. Charlie would show his pictures to their editors, who would generally approve but then suggest he go back and do it even better. 'They are such perfectionists,' he says, 'but it's a good discipline. It forced me to really scrutinise my work and push myself harder to get certain shots.'

This persistence is perhaps most apparent in two sequences that are the cornerstones of his vast body of work: the rearing of chicks and the dramatic moment when a kingfisher seizes a minnow in the water (see *Shooting the nest*, below, and *Going underwater* on page 31). However, Charlie credits much

of his success to his lifelong familiarity with the Halcyon River. 'I would have struggled to turn up on a new river and do something fresh,' he says.

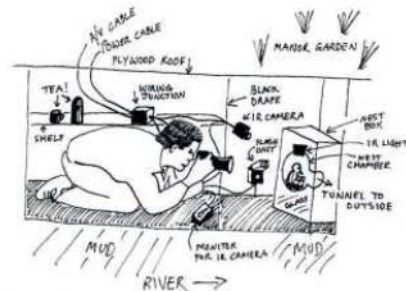
In those slow-moving hours before dawn, knowing where the kingfishers nest and fish is perhaps the only way you can capture these small, shy creatures, regardless of what equipment you have. **AP**

To see more of Charlie's images visit [www.charliehamiltonjames.com](http://www.charliehamiltonjames.com). Or you can follow him on Twitter at [www.twitter.com/chamiltonjames](http://www.twitter.com/chamiltonjames)

## SHOOTING THE NEST

**SHOOTING** kingfishers in their nest takes months of preparation, Charlie says. But because they nest in the ground, it makes capturing an image of them feeding their young possible – albeit extremely difficult. To get the sequence for his book, Charlie first made a fibreglass nest, which he put in a 4x4ft hole in the

riverbank during the winter in the period before they nest. As you can see in the diagram above, he then created a partition so that the nest was boarded up on one side. 'This created a large man-sized chamber that allowed me to view the nest from the other side.'



Charlie hid behind a black curtain and a glass partition in an underground chamber to capture this nest

Because kingfishers nest in the same spot each year, they eventually returned and Charlie viewed the hatched chicks remotely (always at least 100 metres away to avoid disturbance) on his laptop. When they were strong enough to open their beaks and start eating, he went to work.

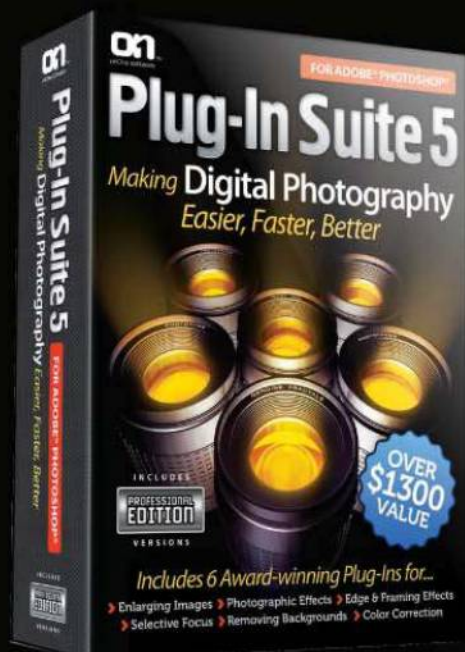
Plunged into total darkness, Charlie first removed the partition board, behind which was a piece of glass and a black curtain. Through a hole in the drape Charlie aimed his camera at the chicks, which were lit by two Vivitar flashguns next to the chamber. He also used a pen light that shone down from the top of the nest box just over their heads. In his chamber Charlie had various leads powering an infrared light and infrared camera that fired stills through his camera, as well as a monitor displaying views of the nest. 'If the birds had known I was there this wouldn't have worked at all,' he says.



Six of the best...just got even better!

# Plug-In Suite 5

**NOW SUPPORTS Photoshop CS5,  
Photoshop CS5 Extended and is 64-bit compatible**



**Are you looking to edit and enhance your images quickly and easily?**

**Are you ready to really get creative?**

**Do you want to maximize the power of Photoshop?**

**...all with less time and effort?**

**Because onOne Plug-In Suite 5 lets you do it all!**

## MAXIMISE THE POWER OF PHOTOSHOP WITH THE FOLLOWING PHOTOSHOP PLUG-INS:

### NEW FocalPoint 2

The easy and effective way to add realistic lens blur and presets for the ultimate depth of field control after the shot



### NEW PhotoTools 2.5 PRO

Really get creative with this collection of more than 250 professional image effects, including 20 brand new filters



### NEW PhotoTune 3

Correct colour in six easy steps and in as little as 15 seconds



### Genuine Fractals 6 PRO

Enlarge RGB or CMYK images by more than 1000%, with no loss of quality

### NEW PhotoFrame 4.5 PRO

More than 4200 edge effects, many created by the world's top photographers



### Mask Pro 4

Remove image backgrounds effectively and easily, even with delicate aspects such as hair, glass or smoke



## AVAILABLE FROM YOUR LOCAL STOCKISTS

Please check your local store for availability before making a special journey  
Distributed by Color Confidence [www.ColorConfidence.com](http://www.ColorConfidence.com)

© 2008 onOne Software, Inc. All rights reserved. onOne Software is a registered trademark of onOne Software, Inc. The onOne Software logo, Genuine Fractals, Mask Pro, PhotoFrame Pro, PhotoTools Pro, PhotoTune and FocalPoint are trademarks of onOne Software. Adobe and Photoshop are trademarks of Adobe Systems Incorporated. All other trademarks are the property of their respective owners.

**on**  
onOne software

## Stockists

### 1ST CAMERAS

0845 134 1500  
[www.1stcameras.com](http://www.1stcameras.com)

### BERMINGHAM CAMERAS

00353 1 677 2205  
[www.birminghamcameras.ie](http://www.birminghamcameras.ie)

### BOB RIGBY

01625 575 591  
[www.bobrigby.com](http://www.bobrigby.com)

### CAMBRIAN PHOTOGRAPHY

01492 532 510  
[www.cambrianphoto.co.uk](http://www.cambrianphoto.co.uk)

### CAMERAWORLD

0844 264 0664  
[www.cameraworld.co.uk](http://www.cameraworld.co.uk)

### DCP SYSTEMS

0114 257 3640  
[www.dcpsystems.co.uk](http://www.dcpsystems.co.uk)

### FOTOSENSE

01204 532 325  
[www.fotosense.co.uk](http://www.fotosense.co.uk)

### KINGSLEY PHOTOGRAPHIC

0207 436 8700  
[www.kingsleyphoto.co.uk](http://www.kingsleyphoto.co.uk)

### MORRIS PHOTO

0845 430 2030  
[www.morrisphoto.co.uk](http://www.morrisphoto.co.uk)

### PARK CAMERAS

01444 237 070  
[www.parkcameras.com](http://www.parkcameras.com)

### SMART IMAGES

0208 133 6710  
[www.smartimages.com](http://www.smartimages.com)

### SPEED GRAPHIC

01420 56 00 66  
[www.speedgraphic.co.uk](http://www.speedgraphic.co.uk)

### ROBERT WHITE CAMERAS

01202 723046  
[www.robertwhite.co.uk](http://www.robertwhite.co.uk)

### WAREHOUSE EXPRESS

01603 486 413  
[www.warehouseexpress.com](http://www.warehouseexpress.com)

### WILKINSON CAMERAS

01772 252188  
[www.wilkinson.co.uk](http://www.wilkinson.co.uk)



1



2



### Cloister

3 Charlie initially dialled in -2 EV for this image taken in Gloucester Cathedral but preferred the exposure (right) taken at -1 EV with Pentax Optio 750Z, 1/30sec at f/2.8, ISO 100



AP publishes more reader photographs than any other photography magazine

# ReaderSpotlight

## Alan Warriner Newcastle

Alan, 52, bought his first camera when he was 21 and took up photography as a hobby after he was given a pile of old copies of AP by his uncle. Most of the images he takes are landscapes, but he gets the greatest satisfaction from shooting candid portraits because it takes him out of his 'comfort zone'. He hopes to do more candid and architectural photography in the future.



### Stubble field

1 Moody clouds loom over a silhouetted tree while light illuminates the textured field  
Canon EOS 350D, 10-22mm, 1/60sec at f/10, ISO 200, polariser

### Three lights

2 Taken in Tynemouth, Alan wanted to capture the sun and the two pier lights  
Canon EOS 350D, 10-22mm, 1/4sec at f/18, ISO 100, tripod, polariser

### Cluster of trees

3 Alan chose this shooting angle to emphasise the swirling clouds  
Canon EOS 350D, 10-22mm, 1/4sec at f/11, ISO 100, tripod, polariser

IF YOUR PICTURES  
ARE FEATURED  
YOU'LL RECEIVE...

**£50**

PLUS...



## The Editor's Choice wins a Kata DR-467i Digital Rucksack worth £99.95

The Kata DR-467i Digital Rucksack will accommodate two DSLRs with mounted lens, three to four lenses and flash, with space for personal gear, a laptop and small tripod. By removing the padded bottom camera insert you can easily convert this rucksack from a camera bag to a daypack when not out shooting.

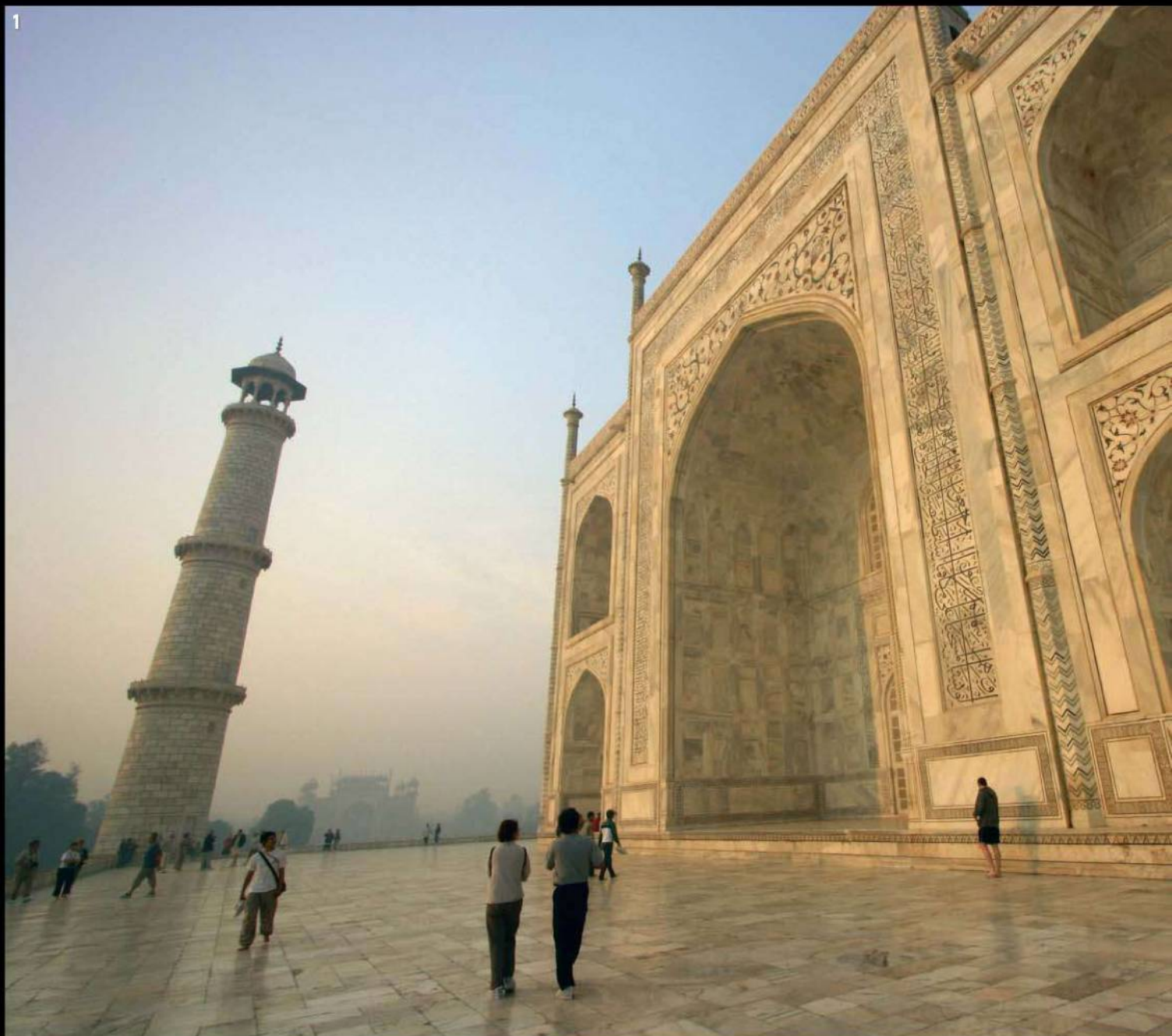
[www.manfrotto.co.uk](http://www.manfrotto.co.uk)

## How to submit images to Reader Spotlight

Please see the 'Send us your pictures' section on page 3 for details or visit [www.amateurphotographer.co.uk/spotlight](http://www.amateurphotographer.co.uk/spotlight)



1



2



## Piotr Kloczkowski

Poland

Piotr's grandfather was a professional photographer and his father used to take pictures, too. 'I lived in Australia for a couple of years and had an urge to document my trip,' says Piotr, 34. 'I love to share a picture of the world around me as I see it through my lens. I like to explore traditional techniques.' To see more images by Piotr visit [www.glasser.net.pl](http://www.glasser.net.pl).





**Delhi, India**  
1 The wideangle lens gives a distorted perspective that is highly effective from this angle  
Canon EOS 300D, 17-85mm, 1/100sec at f/5.6, ISO 1600

**Dawn**  
2 Early morning light and mist shroud this Polish village in mystery and intrigue  
Canon EOS 300D, 90-300mm, 1/250sec at f/13, ISO 100, tripod

**Australia**  
3 Piotr uses Sydney Harbour Bridge to frame the Opera House, shooting upwards from a low angle  
Canon EOS 300D, 17-85mm, 41secs at f/14, ISO 100, tripod

**Vietnam**  
4 Combining shadow and light, Piotr shoots from above keeping his composition simple for impact  
Canon EOS 50D, 50mm, 1/25sec at f/4.5, ISO 500

**Child**  
5 Piotr took this image in north Vietnam, capturing the child's puzzled expression perfectly  
Canon EOS 50D, 50mm, 1/400sec at f/2, ISO 100



**EDITOR'S  
CHOICE**

SEE MORE ONLINE AT  
AMATEURPHOTOGRAPHER.  
CO.UK/GALLERY

This isn't a conventionally pretty picture, but Tom has done a brilliant job of capturing the atmosphere of the scene. I love the colour, the relaxing low contrast and how he has everything straight. It's an excellent image.



## Tom Walker

### Staffordshire

Tom, 19, bought his first DSLR camera last year and has been hooked on photography ever since. His favourite subjects are landscapes and wildlife, and he has recently been photographing water drops using a macro lens. 'I find the way landscapes break up into patterns and shapes fascinating,' he says. 'Nothing beats being out and witnessing the constantly changing light. I love being able to turn what I see through my viewfinder into a piece of art and provoke a connection with the viewer.'

### Trees

**1** Tom captures just enough light in the sky to make the silhouetted trees stand out and creates an atmosphere that is charged with suspense

Canon EOS 1000D, 18-55mm, 1/15sec  
at f/5.6, ISO 100

### Cloud and bench

**2** Streaky clouds provide movement and fill thirds of the frame, while a lone bench placed in the left-hand corner of the image adds to the solitary mood

Canon EOS 1000D, 18-55mm, 1/640sec  
at f/9, ISO 200, polariser

### Icy reeds

**3** In Tom's atmospheric image, he focuses on the frozen reeds but allows the spiky tips to disappear into the misty lake

Canon EOS 1000D, 18-55mm, 1/20sec  
at f/5.6, ISO 100, polariser







Canon  
Pro Centre

Southampton



PROFESSIONAL  
Dealer

# Digital SuperStore

PHONE FOR LATEST **Canon** EOS DSLR KIT OFFERS! LIMITED STOCKS



**Canon 'Touch & Try' Centre**  
Extensive range of EOS DSLRs, lenses & accessories to try: plus digital compacts, printers & scanners! (Demos available from our friendly expert staff)

**Canon EOS PRO Equipment Hire Service Available!**

Competitive rates (daily, weekly etc)  
EOS 5D Mk II, EOS 1D Mk II, EF 500mm f/4 L IS USM, Plus 'L' Lenses & Speedlite selection.

£Phone or email for details

**View Our DSLR Studio Zone**

Latest Kenro, Bowers Gemini, Lastolite Lumen8 and ProLine Apollo Studio Flash Kits now in, plus backgrounds, reflectors & supports!

£Phone Great Value Prices!



## EOS 1000D

### 'Twin Zoom Starter' Kit

Canon DSLR Entry Level Accessory Kit, 18MP, Inc EF-S 18-55mm & EF 75-300mm zooms, 100EG Custom Gadget bag, EOS Lens Cleaning Cloth, SanDisk 8GB SDHC card (Class 6)

**BIG KIT SAVINGS**

**£549.00**



## EOS 550D 'Reportage Kit'

Canon DSLR Entry Level Accessory Kit, 18MP, DiGiC 4 Processor, Full HD EOS Movie, 12800 max ISO, Inc EF-S 18-55mm IS Zoom, 100EG Custom Gadget bag, EOS Lens Cleaning Cloth, SanDisk 8GB SDHC card (Class 6)

**BIG KIT SAVINGS**

**£789.00**



## EOS 50D 'IS Twin Premier' Kit

15.1MPxels, enthusiast build-handling, 6.5fps drive, Hi-Res 3" LiveView LCD, Inc EF-S 17-85mm IS USM & EF 70-300mm IS USM zooms, spare (Hahnel) Battery, Quantaray BackPack & SanDisk Ultra 4GB CF Card

**BIG KIT SAVINGS**

**£1449.00**



## EOS 5D Mk II 'Premium' Kit

Stunning 21MP full-frame design, Full HD Movie, Hi-Res 3" LiveView LCD, Inc EF 24-105mm f/4 L IS USM Zoom, 100EG Custom Gadget bag, spare Hahnel Battery & SanDisk Extreme 8GB Card

**BIG KIT SAVINGS**

**£2599.00**



## Canon EOS-1D Mark IV

16.1MP Hi-Speed Pro DSLR, APS-H sensor, 10fps with 121 frame JPEG burst, 45-point AF system, Full 1080 lines HD Movie Mode, ISO 102,400, 3" Hi-Res Live View LCD, Dual DiGiC 4 processors, EOS Integrated Cleaning System (ISRP £4780), was £4100

**£Phone**

**The Ultimate Hi-Speed DSLR!**

## Canon

**NEW! EF-S 15-85mm f/3.5-5.6 IS**  
(No Box, Split from kit) SRP £239

**HUGE SAVINGS! only £599**

EF-S 18-135mm f/3.5-5.6 IS .....£329  
EF-S 18-200mm IS Zoom .....£479  
New! 100mm f/2.8 L IS USM Macro .....£799  
16-35mm f/2.8 L USM II .....£1239  
17-40mm f/2.8 L USM .....£649  
24-70mm f/2.8 L USM .....£1050  
24-105mm f/4 IS USM (White Box, Split from kit) .....£799  
70-200mm f/4 L IS USM .....£969  
70-300mm f/4-5.6 IS USM (Split from kit) .....£429  
100-400mm f/4.5-5.6 L IS USM .....£1299

**CANON ACCESSORY KIT OFFER!** 100EG Custom Gadget Bag, Adobe Photoshop Elements 8 and EOS Lens Cleaning Cloth only £99.99, or £60 with any new EOS DSLR!

## Canon PIXMA Photo Printer Centre

Check out the superb new range!

**New! PIXMA Pro 9500 MkII A3+, 10 Pigment inks, SRP £779 .....£589**

**New! PIXMA Pro 9000 MkII A3+, 8 inks, SRP £529 .....£419**

**New! MP980 Premium A4 All-in-One with film scanning, monochrome inks .....£299**

**New! iP4700 A4 Photo printer .....only £90**

## New! CanoScan 9000F

Latest Hi-Res A4 flatbed design with improved 9600x9600dpi res. and film adapter unit for 35mm and 120.

**£219**

## Canon EOS 7D

Pro-Spec hi-speed design, 18MP, APS-C sensor, 8fps shooting, 18-cross type AF points, 12800 max ISO sensitivity, Dual DiGiC 4 processors, Full HD Movie mode, Hi-Res 3" Live View LCD, Sealed Mag-alloy body.

Body only **SRP £1799 .....£1250**

**NEW! EF 70-200mm f/2.8 L IS USM II**

Stunning new design with improved optics, build & Optical Stabiliser (SRP £2800)

**£Phone!**

**NOW IN STOCK!**

EOS 5D MkII Body .....£Phone  
EOS 50D Body .....£Phone  
EOS 550D & lens kit .....£Phone  
EOS 500D & lens kit .....£Phone

Shop on-line for Canon at **www.LCEgroup.co.uk/canon**



## D3000 'Twin VR Entry' Kit

Great value 10.1MP compact entry-DSLR with 3" LCD & Intelligent Guide Mode. Inc 18-55mm VR DX & 55-200mm VR DX zooms, ML-L3 IR remote, Nikon Gadget Bag & SanDisk 2GB Ultra II SD Card.

**BIG KIT SAVINGS**

**£589.00\***



## D5000 'Twin VR Zoom' Kit

Compact 12.3MP design with swivel Live View LCD+HD Movie. Inc 18-55mm VR AF-S DX & 55-200mm VR AF-S DX zooms, spare (Hahnel) battery, Nikon Gadget Bag & SanDisk VideoHD 4GB SD card.

**BIG KIT SAVINGS**

**£749.00\***



## D90 'Twin VR Zoom' Kit

Enthusiast spec 12.3MP design with 3" Live View LCD & HD Movie. Inc 18-105mm VR AF-S ED zoom, 70-300mm VR AF-S ED zoom, spare (Hahnel) battery, Nikon Gadget Bag & SanDisk VideoHD 4GB SD card.

**BIG KIT SAVINGS**

**£1229.00\***



## D300s 'VR II SuperZoom' kit

Semi-pro spec 12.3MP design with 3" Live View LCD+HD Movie, 7fps. Inc Nikon 18-200mm VR II AF-S ED DX zoom, spare (Hahnel) battery, Nikon SLR BackPack & SanDisk Extreme 8GB CF card.

**BIG KIT SAVINGS**

**£1799.00\***

## LATEST HOT DEALS ON NIKON

**D700 body plus FREE MB-D10 Grip**

from Nikon UK! (until 31.07.10) .....**£1799**

**New! 300mm f/2.8 VR II AF-S ED (SRP £5099) .....£4200**

**300mm f/4 AF-S IF ED .....£960**

**New! 16-35mm f/4 VR AF-S ED N G Zoom (SRP £1050) .....£949**

**New! 70-200mm f/2.8 VR II AF-S ED G (max £1700) .....£1650**

**80-400mm f/4.5-5.6 VR ED .....£1179**

**TC-20E II 2x TeleConverter (was £319) .....£269**

**10.5mm f/2.8 ED DX G FishEye (was £499) .....£449**

**Professional Tripods & Monopods. Latest 2010 range - selection from stock**

**Series 2 Traveller 6x Carbon** plus Quick Release Ball Head. Excellent maximum load capacity and great torsion rigidity thanks to G-Lock and the newly designed upper casting. **£575.00**

**Big selection from the award winning bag, backpack & camera case ranges. The Trusted Original**

**New! Pro Runner 350AW** A streamlined, compact design (free of bulky, dangly parts) makes it easy to take—and protect—your gear anywhere. Airline carry-on compatible. **£119.00**

**Large selection of Carbon & Alloy tripods, heads and monopods. Main Pro Stocklist**

**190XProB Alloy Tripod** Compact & innovative design with 'Q200' centre column/crossbar feature. **£119.95**

**thinkTANK photo** Wide selection from innovative new permanent LSS bag brand. **With the Pro in Mind**

**New! StreetWalker PRO** Ideal for urban and crowded environments. Slim, lightweight backpack that holds up to a Pro sized D-SLR with a 400mm 2.8 lens attached. **£122.60**

**OLYMPUS ELITE CENTRE**

## Latest Olympus Special Offers

**12-60mm f/2.8-4 ED SWD .....£799**

**14-54mm f/2.8-3.5 II .....£449**

**18-180mm f/3.5-6.3 .....£399**

**50mm f/2 Macro .....£449**

**HLD-5 Grip .....£99.99**

**E-P1 +14-42mm Zoom .....£399**

**E-P1 +17mm f/2.8 .....£499**

**E-PL1 +14-42mm Zoom .....£Phone**

**E-P2 Body only .....£Phone**

All at **LCE 10 High Street, Southampton SO14 2DH**

**Tel: 023 8033 5363** For Mail Orders etc

**2 YEAR WARRANTY** on all Nikon DSLR bodies, DSLR kit lenses and CoolPix compacts (requires registration). Wide range of high quality

**USED EQUIPMENT** **www.lcegroup.co.uk**

**Buy Now Pay Later!** 12 Months Deferred Finance now available on many items

Subject to status, 20% min. deposit required. £29 settlement fee payable. Phone for details (In-Store Customers Only)

## PART-EXCHANGE SPECIALISTS

Call for trade-in quote on your old equipment. Cash paid for quality used gear - ask for details

**FAST COURIER MAIL ORDER**

£10 P&P on most orders (UK mainland)

Many other brands stocked: **EPSON Panasonic TAMRON** **tamrac** **BOWENS** **Colour Confidence** **SIGMA** **GIOTTOS** **pro line**, etc.

London **CameraExchange** 11 Civic Centre Road, Southampton, SO14 7FJ  
**Mail Order Hotline: 023 8063 2629**

e-mail: southampton.civic@LCEgroup.co.uk

Manager - Tony Clark FRPS

**Now open on Sunday! (11am-4pm). Open Mon-Sat 9am-5.30pm**

**LEASE RENTAL OF EQUIPMENT** 3 or 5 Year periods (plus indefinite lease option), fully deductible against tax - please call for details.

worldmags & avaxhome

E & O E. Subject to availability. Some images are for illustrative purposes only



# APappraisal



Expert advice, help and tips from AP Editor **Damien Demolder**

## Monochrome



### Original



### Crop



## Black-headed gull David Griffiths

Canon EOS 300, 80-200mm, 1/500sec at f/5.6, Fujichrome Sensia 100

**IT'S A FEAT OF** fantastic timing to catch this gull picking up some food from a pond and then running across the surface of the water with it hanging from its beak. It's such a good subject you'd be kicking yourself for the rest of your life if you missed it. Thankfully, David did catch it, but the result has a sense of 'I only wish I had a longer lens'. David says this himself. His 80-200mm lens just couldn't reach far enough across the water to make this distant gull large enough in the frame.

As David was shooting on slide film, cropping is not much of an option for projection, but after scanning his original that is exactly what I've done to make the gull a more significant element of the picture. My first thoughts placed the gull on the left-hand side, leaving space on the right for it to run into, as you would do, say, with someone on a bicycle. However, the most interesting part of this scene is behind the gull, in the ripples of water caused by it 'running' across the surface. So instead I decided to position the

gull on the right-hand side of the frame, with the space to the left. The space on the left isn't empty; it helps to tell us what's happening. I placed the gull on the intersection of thirds for a comfortable composition.

The top of the gull is overexposed where the sun is shining on it, but there's not much we can do because it's completely bleached. An option in this situation is to add grain, as I've done here, which helps to fill the burnt-out areas and make them less obvious. In my example, I've then sampled the blue colour of the water and converted the picture to b&w. I overlaid this blue colour using a colour layer with 10% opacity and then faded it, adding grain to another layer on top of that, which I set to a luminosity blend, which renders the grain as just b&w. It possibly makes for a more comfortable picture like this, as the burnt-out area is not so visible, but the gull's wings lose some of their impact due to the lower contrast. The most important thing, though, is getting the crop right

## WIN

Damien's picture of the week wins a £50 Jessops store voucher\*. The two runners-up each win a £25 voucher\* to spend on photobooks from Jessops' online service at [www.jessops.com](http://www.jessops.com). \*UK residents only

## How to submit your pictures

Send up to six prints, slides or images on CD (please include the original files from the camera along with your submitted versions on your CD). Tell us a little about the pictures and, if you can, include details of equipment used and exposure settings. Send your photographs to 'Appraisal' at our usual address (see page 3). Please enclose an SAE if you would like them returned

## Before



## Tree roots Manuel Odabashian

Minolta Dynax 700si, 105mm, 30secs at f/11, Fujichrome Velvia

**ANCIENT** trees are fascinating, with wonderful shapes and textures, but it is difficult to photograph them in a way that really brings out these shapes and textures. Part of the problem is that tree trunks tend to be found in shaded areas, where there isn't much light or contrast. Manuel has identified a fantastic subject here – beautiful and full of colour, shape and texture – and he has made a good job of translating those features into his picture. His framing is interesting, close enough to see all the small details, and far enough away that we can identify what it is we're looking at.

Manuel's use of Fujichrome Velvia film and the directional light have given a nice contrast to the shot. I'm not 100% sure which way round the image goes, though. I did try to work it out, but then decided it didn't really matter – so I turned it over onto its end.

The light gives a sense of the textures and shapes of the tree, but what we really need is something to focus our attention, so I created a bit of a spotlight effect. The light is quite harsh, so I've used it to create a sort of film-set feeling by increasing the contrast for deeper shadows, which has created a Tolkienesque atmosphere with the light now appearing to come from below. Then, to

**JESSOPS**  
Advice for life



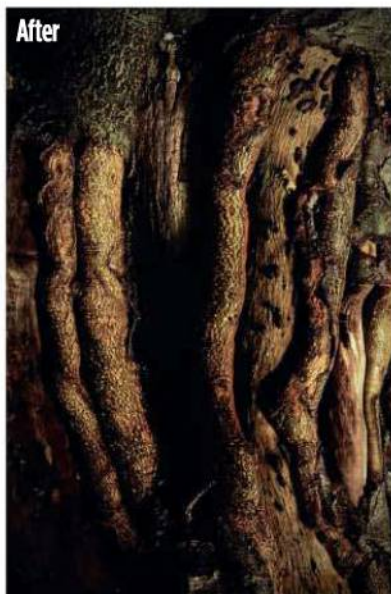
## TOP TIP

When you have spotted a graphic scene that relies on symmetry for its appeal make sure it is still symmetrical in your picture. Keep things straight and centered

PICTURE  
OF THE  
WEEK



After



help concentrate attention on the middle of the picture, I've darkened the edges, and corners particularly, to give the viewer a clue as to where to look first. By darkening the corners we automatically look in the middle of the frame before then exploring the edges. Manuel's original doesn't offer this direction.

It is a great shot, though, and despite my adjustments it is Manuel who did all the hard work. It's a fascinating picture, full of tiny little details and flowing shapes, which is why it is my picture of the week.



## Snow garden David Price

Panasonic Lumix DMC-TZ6, 25mm (equivalent), 1/400sec at f/4, ISO 80

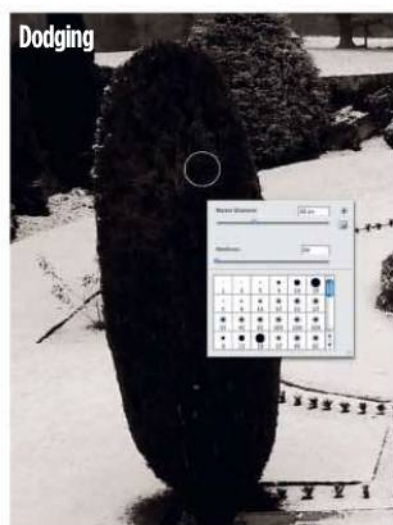
## TOP TIP

Heavily overcast days produce very low-contrast images. Be prepared to work on your picture to give it depth and three dimensions

**DAVID** has recognised the potential this snow-covered ornamental garden has for graphic images; of the outlines of borders, steps, stonework, trees and other garden features against the white of the snow. However, I think he's underestimated just how difficult it is to shoot in these sorts of conditions. The snow is whiting out – a common problem on overcast days such as this when there is very little contrast. So, it is inevitable that any images will require some of work in software to make them interesting, or to bring out the key elements of a scene.

This shot has great potential, with David having identified and photographed this formal, symmetrical part of the garden. Unfortunately, though, the camera is slightly tilted, which loses that sense of symmetry because things are now leaning over. My first action, then, was to straighten the picture with a quick rotate, followed by a slight crop to square off the edges and position the fountain in the dead centre of the scene. I then increased the contrast to create a brighter, more powerful picture, but to avoid too much distracting colour and to bring out the graphic elements, I converted to black & white.

The problem with overcast days is the lack of light penetrating shadow areas, which in this instance means the trees have little definition. To counter this, I used the Dodge and Burn tools to increase the local contrast. Using the Dodge tool set to Highlights and 8% exposure, I lightened the lighter parts of the bushes and trees, and then I used the Burn tool set to Shadows and 8% exposure



to darken the shadow areas. It helps to bring out the texture and prevent those parts of the picture from being dark, featureless shapes.

Finally, as it's an old, formal-looking garden, I added a sepia tone to give it an 1800s feel. I think it adds a little more interest to a scene that needs a lot of photographic help for it to work well on paper. It's a good shot, but it's the kind of picture that requires a high degree of accuracy and analysis to make it work.



# PENTAX



Pro  
Centre

## PENTAX

# K-x

12.4 Megapixels CMOS Sensor, High-Speed drive mode 4.7 fps.  
HD video mode and Liveview. Sensitivity up to ISO 12800.

From **£399** at **SRS**



## SRS Microsystems

[www.srsmicrosystems.co.uk](http://www.srsmicrosystems.co.uk)

Pentax's Leading Pro Centre,  
get priority service and  
a 2 year warranty!

Mail Order Hot Line **01923 226602**

# PENTAX

## Optio W90

Waterproof to 6m, Shockproof to 1.2m, Coldproof to -10°C,  
5 X wide angle optical zoom, 12.1 Megapixels, HD movie 720p,  
Micro HDMI output, 16/9 2.7" LCD screen, 3 LED for macro 1cm.

**£239** at **SRS**



90-92 THE PARADE, HIGH STREET, WATFORD, WD17 1AW



# AP Testbench

Over the next few pages we present this week's **equipment tests**, **reader questions** and **technique pointers**



## Hama Canberra 100 Colt camera bag £34.99

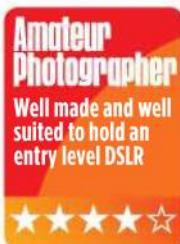
For more information visit [www.hama.co.uk](http://www.hama.co.uk) or call 0845 230 4262

**THE HAMA** Canberra 100 Colt camera bag has a bright-red main compartment that comfortably holds an entry-level DSLR with kit lens, such as a Pentax K-x with the 18-55mm f/3.5. The zipped pockets on the front and back are large enough to take filters and batteries, while there are exterior mesh pockets on the sides for items that need to be accessed quickly.

There are three ways to carry the bag: it can be fastened to a belt using the belt loops; it can be held in the hand with its padded neoprene handle; or it can be carried using the supplied shoulder strap.

I like the little touches, such as the rain cover integrated into the back, and the marked compartments for full and empty batteries/memory cards. There is adequate padding on the base of the bag, although it could benefit from a little further padding for lens protection. That said, this bag is solid and packs a reasonable number of features.

**Tim Coleman**



## The AP guarantee to you

All our tests are conducted by people who understand the product area, as well as photography. We aim to discover any shortcomings, as well as finding those aspects that deserve praise. All our tests are thorough, honest and independent



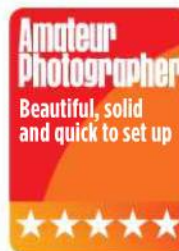
## Luminati Clear2C Professional photo frames £31-£225

For more information visit [www.clear2c.co.uk](http://www.clear2c.co.uk) or call 01752 698 720

**CLEAR2C'S** Luminati Professional photo frames are made of high-quality, 15mm thick acrylic that can be mounted flush to a wall. The white or black frames come in either a gloss or satin finish with diamond-polished edges. The series ranges from single mounts through to nine mounts in a single frame, while further colours and custom sizes can be ordered.

The clear acrylic panels used in the frames are rear-loaded, and allow a clear view of the prints. However, what sets these frames apart are the magnetic panels that hold the images. These panels enable photographs to be mounted quickly and easily, and fix the pictures securely to the clear acrylic panels. Using magnets rather than clips ensures that the quality of the frame is not compromised every time a new picture is mounted. The Professional frames look great, present images beautifully, and the acrylic panels and frame are tough so damage is not a major concern.

**Tim Coleman**



**FORTHCOMING TESTS** In the next few weeks AP hopes to run the following equipment through the most rigorous testing procedures in the industry...

### Ricoh CX3

Ricoh has made some of the best compact cameras ever, but is the ten-million-pixel CX3 one of them?

AP 24 July

### Hasselblad H4D-40

What did the AP team make of Hasselblad's latest 40-million-pixel, medium-format camera.

AP 31 July

### Canon 100mm f/2 vs Zeiss 100mm f/2 Makro Planar

Canon's sub-£400, compact L-series lens is pitched against a Zeiss optic worth £1,300

AP 31 July

### Elemental Fugl-e

We put Elemental's new budget studio-lighting kit system to the test.

AP 31 July

### Panasonic Lumix DMC-TZ10

We test Panasonic's 12.1-million-pixel compact camera with a 25-300mm Leica lens

AP 7 August



AP buyers' guide...

# Camera cleaning products

Keeping your camera and lenses clean is essential for optimum image quality. We've gathered together some great products to help keep your gear spotless

**DUST** has always been the enemy of the photographer. At its least intrusive it can be found on camera lenses, causing a slight softening of images. However, at its most irritating it can force a photographer to spend hours and hours retouching images. And that is just the result of dust – pollen and greasy fingers haven't even been introduced into the equation.

Of course, the best way to keep your equipment clean is not to get it dirty in the first place. With this in mind, it is best to keep your camera equipment stored in a clean, dust-free environment such as a cupboard, draw, or, of course, a camera case. It

is also a good idea to keep some silica gel with your equipment to help keep it free from moisture.

While it might be easy to keep a camera and lens clean and dust free when being stored, as soon as you step outside taking photographs the camera is exposed to dust and other airborne particles. And it is all too easy to accidentally leave fingerprints on the front of a lens.

Along with some advice on how to clean your lenses and DSLR sensor, we have gathered together a selection of cleaning products that will help keep your equipment looking and functioning like new.

## Keep it clean

**THE FIRST** step when cleaning a lens is very similar to cleaning a sensor. First make sure that any dust and grit is removed. To do this use a blower or blower brush to shift any debris from the surface. Then apply a drop or two of lens cleaning fluid onto your new AP lens cleaning cloth and gently work the fluid into the surface of the lens. Next use a fresh part of the cloth to wipe the lens clean.

Be sure to use a dedicated lens cleaning fluid, as other cleaning products may contain ammonia or other additives that could damage the sensitive coatings found on nearly all modern lenses.



### DUST-AID PLATINUM

1 £24.95, [www.cameraclean.co.uk](http://www.cameraclean.co.uk)

**IDEAL** for removing dust and fibres from a camera sensor, the Dust-Aid Platinum features a cleaning wand and six cleaning pads. The pads are made from silicon and can be stuck to the end of the wand. Once the protective seal has been removed, the wand is used to press the pad onto the camera sensor, where it lifts any dust or fibres. As the process is performed without any liquids or adhesives, there is no smearing or residue left on the sensor.

### CAMERA AND LENS WIPES

**ALONG** with your AP lens cloth (free with this issue), camera and lens wipes are absolutely essential inclusions in any photographer's camera bag. Cleaning wipes vary in quality and application, but always ensure you use lint-free wipes, as these won't break up and leave tiny fibres on your equipment. Generally, wipes are designed to clean lenses, but some versions are safe to use on camera sensors and can be wrapped around swabs for easier access to the sensor.

### 2 Photographic Solutions Pec Pads

(£10.95 for a pack of 100, [www.cameraclean.co.uk](http://www.cameraclean.co.uk))

### 3 Dust-Aid microfibre dust cloths

(£23.95 for a pack of 50, [www.cameraclean.co.uk](http://www.cameraclean.co.uk))

### 4 Dr Optic optical lens wipes

(£1.99 for a pack of 24, available from Tesco, John Lewis and Wilkinson's)

### 5 Green Clean Wet & Dry lens cleaner

(£4.11 for a pack of 10, [www.flaghead.co.uk](http://www.flaghead.co.uk))

### VIEWING AIDS

**IT IS** always a good idea to take a closer look at your camera sensor to help spot and remove dust. However, the human eye can often do with a helping hand, particularly when it comes to finding small dust particles. There are a number of devices on the market to help in this task. These range from simple clip-on glasses with magnified lenses to specialist loupes with built-in LED lights that illuminate the sensor.

### 6 Green Clean Clip & Flip magnifying glasses

(£6.99, [www.flaghead.co.uk](http://www.flaghead.co.uk))

### 7 Visible Dust Britevue 7x sensor loupe

(£64.95, [www.visible-dust.co.uk](http://www.visible-dust.co.uk))

### 8 GGS adjustable sensor loupe

(£44.95, [www.cameraclean.co.uk](http://www.cameraclean.co.uk))

### SENSOR SWABS

**ONE OF** the vital items for cleaning a camera sensor is the simple swab. Swabs are dragged across the camera sensor to apply, and then remove, sensor-cleaning fluid, along with any dust and debris. When buying sensor-cleaning swabs, make sure you choose the correct size for your camera sensor: the width of the swab should be the same size as the width of the sensor, so that the fluid can be applied in a single pass. For more on how to clean your camera's sensor using swabs see page 46.

### 9 Photographic Solutions

sensor swabs (£37.95 for a pack of 12, [www.cameraclean.co.uk](http://www.cameraclean.co.uk))

**10 Just ultra-soft DSLR swabs** (£24.95 for a pack of 12, [www.cameraclean.co.uk](http://www.cameraclean.co.uk))

### 11 Visible Dust swabs

(£29.95, [www.visible-dust.co.uk](http://www.visible-dust.co.uk))

### 12 Green Clean Wet & Dry Sweepers,

part of the After Shake Sensor Cleaning kit (£27.61 for the kit, [www.flaghead.co.uk](http://www.flaghead.co.uk))

**'As soon as you step outside you expose the camera to dust and other airborne particles'**





## OPTICAL CLEANING FLUIDS

**THERE** are many optical cleaning fluids available, with nearly all of them being alcohol-based, which helps remove any oil left in the form of fingerprints. Be sure to use a proper optical cleaning fluid, however, as many domestic fluids contain additives such as ammonia, which can damage lens coatings. Also be sure to check that a cleaning fluid is suitable for use on camera sensors, and always apply fluid to a swab or cloth and never directly to the surface you are cleaning.

### 13 Dr Optic optical cleaner and microfibre cloth

(£4.99, available from Robert Dyas)

### 14 Photographic Solutions Eclipse lens & CCD cleaner

(£11.50 for a 59ml bottle, [www.cameraclean.co.uk](http://www.cameraclean.co.uk))

### 15 Visible Dust Sensor Clean fluid

(£27.95, [www.visible-dust.co.uk](http://www.visible-dust.co.uk))

## BRUSHES

**A GOOD** soft-bristled brush is great for getting rid of dust and grit that gathers in small crevices in your camera and lenses. Most brushes are designed for external use, but the Visible Dust Arctic Butterfly can be used internally to remove dust from a camera's sensor. Once the brush has been used, the high-speed spinning mechanism can be activated, causing any dust collected to go flying off. It is important when using a brush not to touch the bristles with your fingers, as you could transfer oils and grease that could then end up on your camera's lenses or sensor.

### 16 Visible Dust Arctic Butterfly 724

(£89.95, [www.visible-dust.co.uk](http://www.visible-dust.co.uk))

### 17 Kinetronics StaticWisk 20mm anti-static brush

(£6.50, [www.cameraclean.co.uk](http://www.cameraclean.co.uk))

## BLOWERS

**EVEN** the humble dust blower has advanced with the latest generation featuring filters and anti-static properties. While some conventional blowers are made from rubber, which degrades over time causing particles to be blown onto your camera equipment, newer blowers are made from silicon, which doesn't degrade and also helps reduce static charge. This means that not only is dust blown off of the sensor, but the anti-static charge created repels dust from the surface. Look out for a blower with a filter that will prevent any dust and grit from being sucked in and blown back out onto the sensor.

### 18 Koh HepaJet air blower

(£24.95, [www.cameraclean.co.uk](http://www.cameraclean.co.uk))

### 19 Matin silicone jumbo blower

(£6.50, [www.cameraclean.co.uk](http://www.cameraclean.co.uk))

### 20 Visible Dust Zeeion blower

(£39.95, [www.visible-dust.co.uk](http://www.visible-dust.co.uk))

## CANNED AIR

**FOR QUICKLY** removing dust from even the tightest places, canned air is an excellent option. It must be used carefully as it can expel liquid propellant and cause a surface to become very cold. If using canned air, always follow the instructions on the side of the can. Generally, you must keep the can in an upright position to avoid spraying the cold liquid propellant from the container. For this reason do not use canned air to clean camera sensors, and at first spray a burst of air away from any lenses. This should help expel any liquid that may have built up in the tube while it was not in use.

There is a way that canned air can be used to clean a sensor. Green Clean produces a small vacuum cleaner for sensors, which utilises the canned air to create a vacuum that sucks particles from a camera's sensor and mirror box, as well as lenses.

### 21 Green Clean SC-4000 sensor cleaning kit

(£55.81, [www.flaghead.co.uk](http://www.flaghead.co.uk))

### 22 Green Clean LC-7000 optic cleaning kit

(£8.81, [www.flaghead.co.uk](http://www.flaghead.co.uk))





## AP guide to...

# Cleaning your camera's sensor

Dirt and dust on a camera sensor can spoil every image you take, yet cleaning the sensor is a fairly straightforward task. Follow **Richard Sibley's** step-by-step guide to getting spotless images

**A DIRTY** camera sensor is the bane of a photographers' life. Dust prevents light from hitting the camera sensor, creating shadows that appear in the form of grey marks on photographs. These are most noticeable in images taken with a small aperture.

While nearly all recent DSLR cameras come with built-in sensor-cleaning mechanisms, they are not always effective at removing all the dust and debris. Sometimes they just move it from one place on the sensor to another. Furthermore, some particles, like pollen, that stick to the sensor cannot be shifted by the vibrations used to shake the sensor 'clean'.

When you have stubborn dirt on your sensor that simply won't shift, it is time to clean it manually. The thought of doing this fills many photographers with dread, and many prefer to have the sensor cleaned by professionals instead. However, if done patiently and carefully, it is possible to clean your camera's sensor yourself and save a few pounds in the process.

### CHECKING FOR DUST

To see how much dust is on your camera's sensor, set your camera to aperture priority and select an aperture of f/16. Now photograph a plain white subject, such as a piece of white paper or card, so it fills the frame. Make sure the white background is fairly evenly lit and expose so that it is not quite burnt out. Don't worry about long exposure times or critical focusing as the dust that is on the sensor will appear regardless. In fact, some movement and a soft focus will help differentiate dust on the sensor from marks on the white background.

Load the picture into your chosen software and darken the shadows and brighten the highlights, or use the Auto Levels feature. By doing this any dust on the sensor will be revealed as black or dark grey marks against the solid white background. **AP**

### CLEANING ENVIRONMENT

Sensitive photographic components are generally manufactured and assembled in what are known as 'clean rooms'. These rooms are as free as possible from dust and airborne particles, so when you receive a new camera or lens it should be clean and dust-free.

Creating a 'clean room' environment in your own home is a difficult, if not impossible, task. However, there are a few steps you can take when cleaning a camera sensor that will minimise the chances of contamination by environmental dust.

The best way of preventing dust reaching the

sensor is to work in a dust-free environment.

Kitchens are often excellent working environments, as these rooms generally don't have soft furnishings such as carpets and curtains that can produce airborne dust and fibres. Bathrooms may also be suitable, but you must be careful to avoid areas where deodorant or talc have been used.

To keep the environment dust-free, close any windows and doors to minimise airflow and prevent outside dust blowing in. Wipe down the surfaces with a damp cloth to pick up any dust. If you have decided to clean your sensor in the bathroom, it is a good idea to run a hot bath or shower. The steam

generated should weigh down any airborne dust particles, preventing them from floating around. If you are in a kitchen, you may wish to boil a kettle to achieve the same effect. Be sure to let the steam subside before introducing your camera to the room, as it could cause condensation to form in your camera and lenses.

For added protection you could also use a pop-up tent, such as the Just Camera Bivvy (£22.95 from [www.cameraclean.co.uk](http://www.cameraclean.co.uk)). This allows a camera to be handled while in a sealed environment and is useful for preventing dust from entering a camera whilst changing lenses outside.

## How to clean your DSLR camera's sensor



**1** First, make sure that the camera's battery is fully charged. Activate your camera's sensor-cleaning mode from the Settings menu. Unlike the standard mirror lock-up mode, this also cuts power to the sensor, which prevents dust being attracted by the electrical charge.



**2** With the sensor now exposed, turn the camera so that the sensor is facing the ground. Use a specifically designed blower brush to blow inside the camera. This will force some dust and, more importantly, any heavier particles that could cause scratches, to fall out.



**3** Use a new sensor swab and apply one or two drops of sensor-cleaning fluid to one side of the swab. Be careful not to touch the swab as you may transfer oil from your skin to the surface and then in turn to the sensor.



**4** Press the swab onto the surface and move it carefully across the face of the sensor. Take care to make sure the corners of the swab reach into the corners of the sensor.



**5** Now, using a clean and dry swab, or the clean side of the existing swab, carefully move it in the opposite direction across the sensor to remove any remaining fluid or smears.

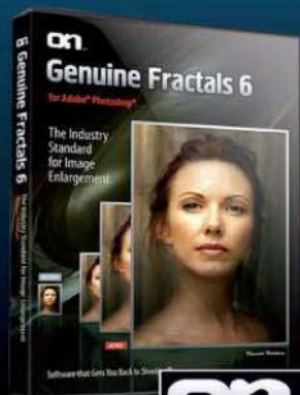


**6** Take an photograph of a solid white object (see *Checking for dust*, left) to see if any black dust marks appear. If any are apparent, repeat the cleaning process.



# New FROM YOUR DIGITAL SPECIALIST

Have you ever enlarged an image and been unhappy with the results?



FOR ALL YOUR CALIBRATION & DIGITAL NEEDS

Genuine Fractals 6 is a Photoshop plug-in and is the industry standard for resizing images.

Enlarge an image to any size or resolution you desire

Maintain fine image detail and eliminate edge halos

Crop and resize images in one easy step

**01789 739200**

sales@novadigital.co.uk

www.novadigital.co.uk

**Manfrotto monopods** - support for you and your photographic passion... plus buy one get one **FREE**\*



## WANTED FOR CASH

*Exclusively... Nikon*

HIGHEST PRICES PAID

Grays of Westminster are always seeking mint or near-mint examples of Nikon equipment:

Nikon cameras, AF-D Nikkor lenses, AF-S Silent Wave Nikkor lenses, AF Micro-Nikkor lenses, Nikon Speedlights, Nikkor AIS & AI Manual Focus Lenses



Please telephone 020-7828 4925 or you can email us at [info@graysofwestminster.com](mailto:info@graysofwestminster.com) for our highest offer.

Grays of Westminster - Exclusively... Nikon  
40 Churton Street, Pimlico, London SW1V 2LP

[www.graysofwestminster.com](http://www.graysofwestminster.com)

Set-up fast. Great on the move. Ideal in a tight corner. Whatever your need there is a Manfrotto monopod solution to fit you.

Plus... Get a 234 head **FREE** of charge - when you buy any one of the following Manfrotto Photo monopods; 334B, 679B, 680B, 681B, 682B, 685B.

or get a 234RC head **FREE** of charge - when you buy either a Manfrotto 694CX or 695CX Photo monopod.

\*This offer does not include the video monopods or the 776YB and 790B Monopods. This promotion runs from 1st May to the 31st July 2010 Available at participating stockists

**manfrotto.co.uk**



For more information:

T +44 01293 583300

F +44 01293 583301

E [info@manfrottodistribution.co.uk](mailto:info@manfrottodistribution.co.uk)

subscribe 0845 676 7778

worldmags & avaxhome



# LENCARTA

professional, every time

## SmartFlash 200

The new top value studio flash kit from Lencarta that's streets ahead



- Guide No. 100 @ 100 ISO
- Stepless adjustment over 4 stops
- Powerful 150w modelling lamp
- Ultra fast recycling
- Fully compatible with all Bowens fit accessories
- Super efficient fan cooling

Complete kits from  
under £270  
Top quality at  
bottom prices!

www.lencarta.com  
0845 618 2889

## The Professional Choice

Camera bags designed  
by photographers for photographers

**thinkTANK** photo  
Be Ready "Before The Moment"

### T492 Airport Acceleration™ V.2

Holds Pro DSLR & up to a 500mm f4 lens. Designed for airline carry-on



Shoulder bag fits pro body attached to lens



### T830 Urban Disguise™ V.2 Pro

### T494 Airport

### Ultralight™ V.2.5

Super light airline carry-on backpack holds up to 400 f2.8 & fits in hard cases



### T474 Streetwalker™

Holds DSLR attached to a 70-200 f2.8 lens & can fit a tripod



### Orbis™ Ring Flash & Orbis™ Arm

REVOLUTIONARY  
NEW lighting accessories

More information from:

www.●snapperstuff.com

FIXATION  
Professional Photographic Services

MORRIS  
Photographic Centre

Speed Graphic

HARRISON • CAMERAS •

Canon Cameras

gfd

EOS magazine

JACOBS

Leica

## The SENZ—at last an affordable, high quality LED ring light system for the macro specialist

With the new SENZ LED macro ring light system, the lighting source is 'always on' meaning that the digital or film SLR photographer can obtain the benefits of near shadowless images, plus being able to finesse the lighting to remove possible reflections, *before* shooting. Furthermore, focusing with continuous light is much easier and ultra-precise.

The unit comes in two parts - the ring light which simply affixes to the filter thread of the lens: the controller processor unit which connects to the DSLR or SLR's hot shoe.

Other features include, energy saving LEDs, 'low' output switching to reduce depth of field, GN (guide no) 3.2 (100 ISO m), colour temperature 5600° K and power from 4x AA batteries (not supplied).

The SENZ ring light fits a 55 mm lens filter thread as standard, but is fully compatible with virtually all popular filter thread fittings (46/49/52/58 mm) via inexpensive optional stepping rings.

Contact us for further details and/or the name of your local stockist.



Kauser International Trading Ltd

PO Box 85, Radlett, WD7 7ZN.

Tel.: 01923 858288 Fax: 01923 857569

e-mail: info@kauserinternational.com

web: www.kauserinternational.com





# Panasonic Lumix DMC-G10

It shares much with the new Lumix DMC-G2, but its pared-down spec means that Panasonic's Lumix DMC-G10 could be the most attractive Micro System Camera for enthusiasts on a budget

**Angela Nicholson**  
Technical editor



**A RECENT** AP online poll revealed that of the five Micro System Camera (MSC) systems currently available, AP website users have the most faith in Panasonic's. This is despite the fact that Olympus has a longer history in photography and that Ricoh, Samsung and Sony use larger (APS-C-sized) sensors rather than the 17.3x13mm Four Thirds-type device employed by Panasonic. In its favour, though, Panasonic was the first

manufacturer to enter the MSC market and, more importantly, it has proved that it can make decent small cameras that produce high-quality images.

## FEATURES

The Lumix DMC-G10 was announced at the same time as the Lumix DMC-G2, and is designed to be Panasonic's most affordable MSC to date. Although it has the same mini-DSLR shape as the G2 (which replaced the Lumix DMC-G1), the G10 has a fixed LCD screen rather than an articulated unit. Also, unlike the G2's monitor, the G10's screen isn't touch sensitive, although it does offer a Live View of the scene. In addition, there's a 202,000-dot (equivalent) electronic

## AT A GLANCE

### PANASONIC LUMIX DMC-G10 MICRO SYSTEM CAMERA

- 12.1 million effective pixels
- Four Thirds Live MOS sensor
- Micro Four Thirds lens mount
- 1280x720-pixel video at 30fps
- Street price around £455 (with 14-42mm lens)

viewfinder (EVF) with a 100% field of view for composing images with the camera held to the eye. This is a lower resolution than the 1.44-million-dot unit of the G2 and G1, so it will be interesting to see how it performs.

Like Panasonic's other MSCs, the G10 has a Four Thirds-type Live MOS sensor with 12.1 million effective pixels. Images may be saved as raw or JPEG files, or as both simultaneously. Images are processed using the G10's Venus Engine HD II chip, which enables the camera to record JPEG files at 3.2fps or 2fps until the SD (or SDHC) card is full. In keeping with the current trend, the G10 can record 1280x720-pixel movie footage at 30fps.

With the exception of the lower resolution EVF and an articulated LCD, the G10 appears to offer just about everything that an enthusiast can hope for from a Micro System Camera, so perhaps it is the ideal choice for those on a budget. At present it is only sold as a kit with the new Lumix G Vario 14-42mm f/3.5-5.6 Asph Mega OIS lens.

**7/10**

## BUILD AND HANDLING

Apart from it being slightly lighter, there is no discernible difference between the feel of the G10 and either the G1 or the G2 in the hand, and it appears just as well built. However, the control layout falls somewhere between the G1 and G2. Like the newer G2, the G10 has





➔ a rear control dial above the thumb rest instead of a front dial, and there's a button on the top-plate to activate iA (Intelligent Auto) mode, which is reached via the mode dial on the G1. Unlike the G2, though, there's no dedicated video-recording button and the G10's mode dial must be rotated to its movie option and the shutter release used to start recording. The G10 also has the same method of setting the AF point selection mode as the G1, with a dial on the left of the top-plate setting the focus mode (single AF, continuous AF and manual) and the left navigation button providing a route to the point selection options. I prefer the top-plate-located switch-and-dial approach of the G2.

One feature of the G2 that I miss in the G10 is the eye sensor that automatically detects if the camera is held to the eye and switch between the EVF and LCD screen displays. I find it frustrating to have to keep pressing the EVF/LCD button to alternate between the two display options manually.

**7/10**

## RESOLUTION, NOISE AND SENSITIVITY

While DSLR manufacturers have been pushing sensitivity settings up so that ISO 12,800 (equivalent) is now becoming commonplace, Panasonic is a little more conservative with its MSCs and the G10 has a maximum setting of ISO 6400. This is the same as the G2 and a stop faster than the G1. However, even at the lower sensitivity settings noise is visible in some even-toned areas. This doesn't really become a problem until around ISO 1600. The shadows of raw images taken at this setting have quite a lot of chroma noise, with red speckling being particularly noticeable. Although the JPEG files captured with the standard level of in-camera noise reduction applied are smoother and have less colour noise visible, they contain a little less detail than the simultaneously recorded raw files.

Our resolution tests confirm that the G10's resolution is on a par with the previous Panasonic G-series cameras we have tested, and in good light it can out-resolve some 12-megapixel, APS-C-format DSLRs. The resolution chart images shown here were shot with the new G Vario 14-42mm f/3.5-5.6 Asph Mega OIS lens, indicating that it is another high performer.

**28/30**

## DYNAMIC RANGE

One worry with Four Thirds and Micro Four Thirds cameras is that they often have a restricted dynamic range, but we have not found this to be the case with Panasonic's G-series cameras, which have an impressive range of 11.5EV.

There are four options available for the G10's dynamic range optimising Intelligent Exposure (iExposure) mode: Off, Low, Standard and High. I used the highest setting during the majority of this test as the camera only applies the shadow brightening

# Facts & figures

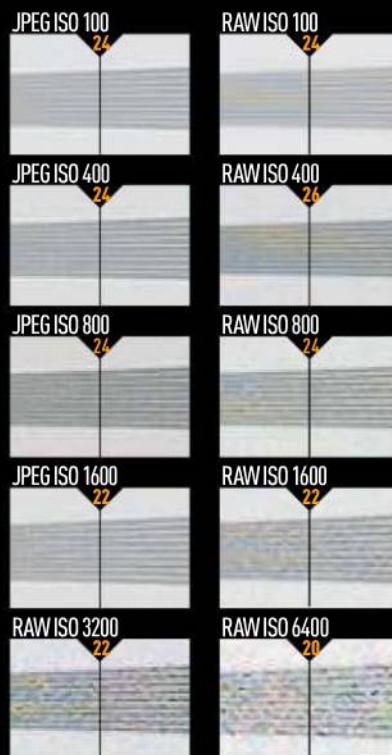
RRP	£499.99 (with Lumix G Vario 14-42mm f/3.5-5.6 Asph Mega OIS lens)
Sensor	Four Thirds-type Live MOS device with 12.1 million effective pixels
Output size	4000x3000 pixels
Focal length mag	2x
Lens mount	Micro Four Thirds
Max file size	Approx 14MB raw, 7MB JPEG (high quality, large)
File format	Raw, JPEG, raw+JPEG simultaneously, QuickTime Motion JPEG video
Compression	Two-stage JPEG
Colour space	Adobe RGB, sRGB
Shutter type	Electronically controlled focal-plane
Shutter speeds	60-1/4000sec in 1/3 steps plus B to 4mins
Max flash sync	1/160sec
ISO	ISO 100-6400 in 1/3EV or 1EV steps
Exposure modes	PASM, plus custom modes, Intelligent Auto, 28 scene modes
Metering system	144-zone Intelligent Multiple, centreweighted, spot
Exposure comp	±3EV in 1/3EV steps
Exposure bracketing	±2EV over 3, 5 or 7 exposures in 1/3 or 2/3EV steps
White balance	Auto, 5 presets, plus 2 custom and Kelvin settings
White balance bracket	3 exposures with blue/amber and magenta/green adjustment
Drive mode	3.2fps or 2.6fps for 7 raw images or unlimited JPEG files
LCD	3in, 460,000-dot TFT
Viewfinder type	Electronic (with 202,000-dot equivalent)
Field of view	Approx 100%
Dioptr adjustment	-4 to +4 dioptr, eye point 17.5mm
Focusing modes	Manual, single shot AF, continuous AF
AF points	23 automatically selectable points, or one of 3,283 single vari-zone selection points
DoF preview	Yes, or shutter speed preview
PC socket	No
Built-in flash	Yes - GN 11m @ ISO 100
Cable release	No, optional remote release
Memory card	SD/SDHC
Power	Rechargeable Li-Ion battery (supplied)
Connectivity	USB 2.0 Hi-Speed/HDMI
Weight	336g (without battery or card/s)
Dimensions	124x83.6x74mm (inc grip)

**PANASONIC UK LTD**, Panasonic House, Willoughby Road, Bracknell, Berkshire RG12 8FP. Tel: 08448 443 852.  
**www.panasonic.co.uk**



## RESOLUTION, NOISE & DYNAMIC RANGE

These images show 72ppi (100% on a computer screen) sections of images of a resolution chart, captured using the kit lens set to 35mm (70mm equivalent). We show the section of the resolution chart where the camera starts to fail to reproduce the lines separately. The higher the number visible in these images, the better the camera's detail resolution is at the specified sensitivity setting.



effect when it deems it necessary and at the level it calculates to be appropriate. This makes predicting the impact of using iExposure tricky, but with very high-contrast scenes it brightens the shadows yet leaves the image looking natural.

**8/10**

## WHITE BALANCE AND COLOUR

As with Panasonic's other G-series cameras, the G10 produces images with bright, attractive colours. In the Standard Film mode, red and green can be a little

on the vivid or oversaturated side, but not excessively so in most cases. I rather like the results produced using the Nostalgic Film mode, but its warmer rendition and brighter midtones don't suit every scene so I appreciate being able to shoot up to three different versions of the same scene in quick succession using the Multi Film mode with the camera set to continuous shooting. Panasonic's automatic white balance system is extremely effective in most natural lighting conditions, and when shooting outdoors I find there is often little difference between using it and the sunny





daylight settings (even in cloudy conditions). Images taken under artificial light are reasonable, but not neutral. In tungsten lighting, for example, the results are usually quite warm and benefit from post-capture adjustment, but this is not unusual.

**8/10**

#### METERING

Previously, we have found Panasonic's 144-zone Intelligent Multiple evaluative metering to be very reliable, and it doesn't disappoint in the G10. Although it isn't overly troubled by dark or bright areas in the scene, it is sensible to keep an eye on the histogram and dial in exposure compensation when necessary. I found there were very few occasions when I needed to reduce the exposure, but as is often the case bright overcast skies can trick the G10 into slight underexposure.

**8/10**

#### AUTOFOCUS

Although I have no complaints about the G10's AF performance with stationary and slow-moving subjects, its contrast-detection system is not ideally suited to shooting sport or fast action. When photographing one of the Race for Life events, for example, there were a few occasions when the camera

failed to focus the lens before the subject had passed me. Walkers didn't trouble it, but I found it was hit and miss with runners. The AF Tracking mode is useful with fairly slow-moving subjects, or for using the focus and then compose technique, but it failed to latch onto any of the runners as they headed towards me in the race.

**8/10**

#### VIEWFINDER, LCD, LIVE VIEW AND VIDEO

As it doesn't have a reflex mirror, the G10 has an electronic viewfinder (EVF) rather than an optical one. With just 202,000 dots (equivalent), the G10's EVF has a considerably lower resolution than the 1.44-million-dot (equivalent) devices of the G1 and G2. However, this doesn't make as much difference as the numbers might suggest. The view is slightly less detailed in the G10 EVF, but the image looks more natural with lower contrast and less edge sharpening.

Despite the lower resolution of the finder, focusing manually is easy using the 10x magnified display. I also found the G10's EVF less prone to colour drag, which is the phenomenon that makes rainbow colours appear to trail behind features such as the grid lines as the camera is moved relative to the eye.

While the G10's 3in, 460,000-dot LCD screen provides a good view when shooting

**I shot this low-angle shot in 16:9 format. As I did not have a clear view of the composition on the LCD screen (the ground was too filthy to lie on), I had to crop the image to get the result I wanted**

indoors, I had to turn its brightness up to the highest available level when shooting outside to get a reasonable view. When shooting from a low angle I really missed the articulated joint that allows the G2's screen to be visible from above. Even though the screen has a wide viewing angle, the G10's EVF projects out by around 1cm and obscures most of the scene.

Although it doesn't offer Full HD (1920x1080-pixel) video recording like the Lumix DMC-GH1, the G10 can shoot 1280x720-pixel movies at 30fps, which is enough for most enthusiasts. **AP**

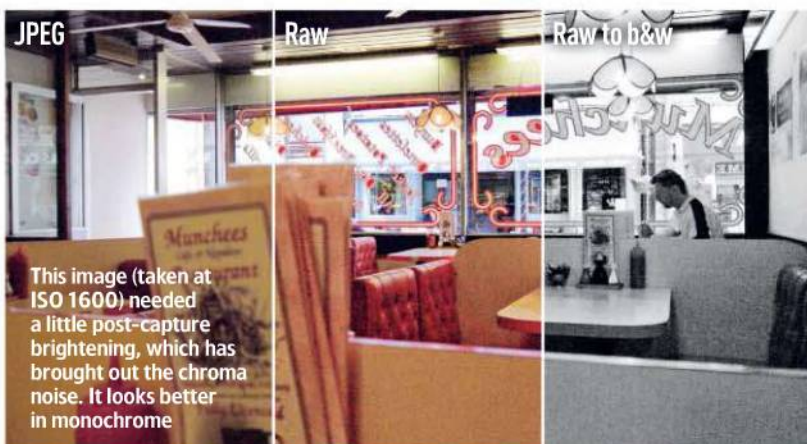
**7/10**

## Verdict

**FOR MOST** photographers considering buying the Panasonic Lumix DMC-G10, the most important fact is that it is capable of recording the same level of detail as the other cameras in the Panasonic range. The company has not compromised in this area. The cost savings have been made at the expense of a few handling refinements, which may be of no consequence to some prospective users.

During this test I found that the lower-resolution EVF was not the issue I thought it might be. However, I really missed the eye sensor and articulated screen of the G2. The sensors make swapping between using the EVF and the main LCD screen seamless, and enable me to shoot using the EVF and make menu based adjustments without having to remember to press the EVF/LCD button.

Although the G10 has proved itself a very capable camera, if I were looking to buy a G-series model I would save a little longer to buy the G2.



This image (taken at ISO 1600) needed a little post-capture brightening, which has brought out the chroma noise. It looks better in monochrome

**Amateur Photographer**  
Tested as a Micro System Camera  
Rated Good  
**81%**

	1	2	3	4	5	6	7	8	9	10
FEATURES	7/10									
BUILD/HANDLING	7/10									
NOISE/RESOLUTION	28/30									
DYNAMIC RANGE	8/10									
AWB/COLOUR	8/10									
METERING	8/10									
AUTOFOCUS	8/10									
LCD/VIEWFINDER	7/10									



# AskAP

Let the AP team answer your photographic queries

## MULTIPLICATION FACTORS

**Q** I read the recent hands-on preview of the new Pentax 645D on the AP website at [www.amateurphotographer.co.uk](http://www.amateurphotographer.co.uk). In the conclusion Damien Demolder states, 'the stated focal length should be multiplied by 0.8x.' Should that have been 1.8x? **Claudio Costerni**

**A** We are all used to seeing focal length multiplication factors greater than 1x these days because the size of the sensor in most digital SLRs is smaller than the size of 35mm film. In the case of medium-format cameras, though, the sensor is larger than 35mm film, so the multiplication factor swings the other way and is less than 1x.

For example, the standard lens on a Hasselblad medium-format camera has a focal length of 80mm. This gives the same field of view as a 50mm lens on a 35mm film camera or full-frame DSLR, so we say that the lens multiplication factor is  $\times 0.63$ . For the Pentax 645D, the standard lens is 70mm, giving a multiplication factor of 0.8x. It's only when we get to cropped-sensor DSLRs that the story is different. For instance, on a Nikon D300S, a lens of 33mm gives the same angle of view as a 50mm lens on 35mm film – a magnification factor of 1.5x

**Ian Farrell**



## STUDIO REFLECTORS

**Q** I need a reflector for some full-length portraits, but I don't want to spend a lot of money. I've looked into using long sheets of paper from a roll, but someone would have to stand with it all the time or I would have to hang it from a stand, which isn't very practical. I've seen reflectors of this size on videos of studio photo shoots, with one side black and the other white. Where can I get these, and are they expensive?

**Jo Hartley**

**A** The large reflectors in studios you have seen are called polyboards. They are white on one side and black on the other so they can be used to soak up light too, which is useful in studios with white walls. They are lightweight and easily supported without an assistant. I dare

say a specialist photographic retailer might charge you handsomely for one, but I've always got mine from DIY or builders' stores like Jewson, Ridgeons or B&Q. Look for the type of polystyrene boards that would be used for underfloor insulation. The best size is 1,200x2,400x50mm and you can expect to pay between £10 and £20 for a single sheet. You can paint one side black with ordinary emulsion paint if you need to.

**Ian Farrell**

## IS MODES

**Q** I bought a second-hand Canon EF 70–200mm f/4 IS USM lens recently, which has built-in Image Stabilization (IS). This works very well, but I'm confused about the difference between the two modes, which are labelled '1' and '2'. I can't detect much difference between

them in my own tests, so can you explain?

**Mark Green**

**A** In mode 1, camera shake is detected in all directions and corrected by moving a lens element slightly to counteract the wobble. In mode 2, the lens tries to determine if you are deliberately moving in one direction – when you are panning, for instance – and does not try to correct for movement in this direction. This is obviously useful in sports photography. I'm not sure if you have tested your lens under these conditions, but if you try following a moving subject with a shutter speed of around 1/15sec–1/60sec you should notice the difference between the two modes. You will find these two modes on some Nikon lenses containing Vibration Reduction (VR) technology too, and many compact, hybrid or DSLR cameras that have anti-camera-shake technology built into them. **Ian Farrell**



## MINIMUM APERTURE

**Q** I read a review recently of the Nikon TC-20E III teleconverter that refers, in two cases, to the teleconverter reducing the minimum aperture of the lens in use. I always thought it is the maximum aperture that is reduced. Can you clarify this, please?

**Billy Cochrane**

**A** Essentially, using a teleconverter reduces the amount of light coming through the lens by 1 stop in the case of a 1.4x converter, and 2 stops in the case of a 2x converter. This makes both the maximum and minimum effective apertures of the lens smaller by 1 or 2 stops respectively. So an AF-S Nikkor 70–200mm f/2.8G ED VR II telezoom lens, which normally has a minimum aperture of f/22, will have an aperture range of f/5.6–f/45 when fitted with the TC-20E III converter. Typically in these situations, most people are only concerned with the maximum aperture of such a combination, as this impacts on viewfinder brightness and limits the shutter speeds you will be able to use when shooting. **Ian Farrell**

## CORRECTION

Our apologies to Just Ltd. In AP 12 June, WR John asked about cleaning stained prints. We recommended PEC-12 products



# In next week's AP

On sale Tuesday 13 July

## f/AQ

### White balance with a grey card

In *Ask AP* in AP 3 July, I looked at how to use a mid-grey card when metering for exposure in complicated lighting conditions. Such a card can also be used to set an accurate white balance. So how is it done and why would you want to do this in the first place?

Your camera's automatic white balance facility will make a decent job of assessing the colour temperature of a scene in many situations. That said, when you are shooting under mixed light sources, or you want accurate colour in skin tones, it pays to set things manually. This means accessing your camera's white-balance presets, although these are a bit crude for accurate work. Most cameras offer the facility to set white balance more

accurately by aiming the camera at a piece of neutral grey card and firing the shutter. This should be done under the ambient conditions you are working in, and any grey or white material can be used – even a humble piece of blank paper. Under mixed lighting conditions you will get a different result depending on where you position the grey card, so try to place it next to the object in the scene for which colour accuracy is most important. For instance, let's consider a portrait taken indoors under a mixture of fluorescent, tungsten and window light – a combination you'll find in any office. Here, a grey card positioned next to the subject's face will allow you to measure a precise white balance for that set of circumstances, which will render skin tones accurately.

Alternatively, raw shooters can set white balance retrospectively. Include a neutral grey-card target (or piece of white paper) in the first frame, and use this to set white balance by clicking on it with the White Balance tool you'll find in most raw converter packages. You can then apply this setting to the rest of the raw files captured during your session.

but misquoted the company's website. The correct web address is [www.cameraclean.co.uk](http://www.cameraclean.co.uk).

### NEGATIVE SCANNER

**Q** I would like to scan 6x6cm black & white negatives in order to produce prints up to A3 in size. I currently have an Epson Perfection 1240U scanner that is functional but elderly, and I have never found the quality of scanned negatives to be very good. The review of the Epson Perfection V600 Photo scanner in AP 19 June is very favourable. If I buy this product, am I likely to find a significant improvement in the quality of medium-format negative scans, when compared with my old 1240U scanner? **Malcolm Bowditch**

**A** Absolutely yes, Malcolm. Advances in scanner technology have been significant since the Epson Perfection 1240U was launched in 2001. The V600 scans at much higher resolution (6400x9600ppi as opposed to the 1240U's 1200x2400ppi) and can resolve detail in deeper blacks. Quite simply, the V600 is a different class of scanner that has always performed very well when I've used it to scan medium-format film. You should note that the V600's Digital ICE anti-dust technology will not work with your black & white negatives, as traditional monochrome film appears opaque to the infrared light that this technology employs to detect dust and scratches on colour film. **Ian Farrell**

## FROM THE AP FORUM

### Keeping it steep

**Jerome asks** How can I take pictures to make hills look as steep as they do in real life? For instance, if I take a picture when I'm at the top or bottom of a hill, even the steepest hills look almost flat.

**Roy 5051 replies** Try standing back a little and using the telephoto end of your zoom to compress perspective.

**Phil W replies** The main thing is not to point the camera up or down. This gives a perspective effect that flattens slopes. It's the same effect that gives converging verticals in architectural shots, and I would think that the same Photoshop methods could be used to correct it.

**John Hallett replies** Try including something else in the shot as a comparison, such as a figure, a building or a tree.

**RovingMike replies** If you use anything wider than a 50mm lens, you will kill it. Use a telephoto lens and aim flat.

[www.amateurphotographer.co.uk](http://www.amateurphotographer.co.uk)

### FEATURES

## CHARLIE WAITE

Find out what happened when landscape supreme **Charlie Waite** swapped his medium-format camera for a compact

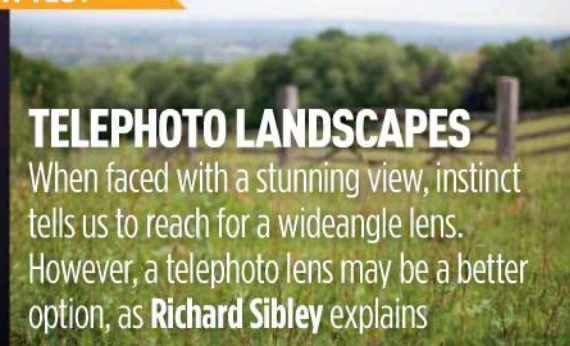


© CHARLIE WAITE

### ON TEST

## TELEPHOTO LANDSCAPES

When faced with a stunning view, instinct tells us to reach for a wideangle lens. However, a telephoto lens may be a better option, as **Richard Sibley** explains



© RICHARD SIBLEY

### FEATURES

## FROM PAINTS TO PHOTOS

Technical writer **Tim Coleman** looks back over a decade at the photographic journey that brought him to AP



© TIM COLEMAN

### FEATURES

## FLYING COLOURS

**Colin Varndell** explains the best kit and locations for capturing the delicate beauty of dragonflies



© COLIN VARNDELL



- ☒ **Direct Debit:** £19.89 every 3 months **saving 37%** off the full price of £30.60
- ☐ 1 Year: £91.80 **saving 28%** off the full price of £122.40
- ☐ 2 Years: £171.36 **saving 32%** off the full price of £244.80

Mr/Mrs/Ms/Miss: Forename:

Surname:

If you'd like to receive emails from IPC & Amateur Photographer containing news, special offers, product and service information and take part in our magazine research via email, please include your email below.

Email:

Address:

Postcode:

Home Tel. No. (include code): \_\_\_\_\_

Would you like to receive messages to your mobile from IPC & Amateur Photographer containing news, special offers, product and service information and take part in our research? If yes, please include your mobile phone number here

Mobile:

Year of Birth:

Please ensure you also complete 'Your Details' section above. To give more than one subscription, please supply addresses on a separate sheet.

Mr/Mrs/Ms/Miss: Forename:

Surname: \_\_\_\_\_

Address:

Postcode:

Home Tel. No. (incl area code): \_\_\_\_\_

If the person you're buying this subscription for is under 18, please add their date of birth below.

Year of Birth:

## Cheque/postal order for £      made payable to IPC Media Ltd.

Credit Card: ☐ Amex ☐ Visa ☐ Mastercard ☒ Maestro

Card No.:

Expiry Date: / /  Issue No./Valid From: / /  Maestro

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

☐ I am over 18

**I would like to pay £19.89 by 3 monthly Direct Debit**  
(complete details below)

## For office use only Originator's Reference - 764 221

A/C No. DIRECT  
Debit

Name of bank:

Address of bank:

Postcode:

Name of account holder:

Acct no:         Sort code:

INSTRUCTION TO YOUR BANK OR BUILDING SOCIETY

**INSTRUCTION TO YOUR BANK OR BUILDING SOCIETY**  
Please pay IPC Media Ltd., Direct Debits from the account detailed on this instruction subject to the safeguards assured by the Direct Debit Guarantee. I understand that this instruction may remain with IPC Media Ltd. and if so, details will be passed electronically to my bank or building society.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

[I am over 18]

Please note that this offer is open to UK subscribers only and closes 31.07.20. Subscription offer valid only on a 12 month minimum term. Cancellations after 30.07.20 will incur an end of this initial period and we will not issue a refund. Should you wish to cancel after the minimum term, please contact our customer care team in writing (see contact details below). **For enquiries and overseas rates please call +44 (0) 844 848 0848 (lines open 7 days a week from 8am - 9pm UK time), fax +44 (0) 845 575 911 or email [ipcs@pubs4quadrantsubs.com](mailto:ipcs@pubs4quadrantsubs.com). Please allow up to 6 weeks for delivery of your first subscription issue. The £19.99 offer is only available to new UK Direct Debit subscribers. Amateur Photographer and IPC would like to contact you by post or telephone to promote and ask your opinion on our magazines and services. Please tick here if you prefer not to hear from IPC. IPC may occasionally pass your details to carefully selected organisations so that they can contact you by telephone or post with regards to products, services or offers that may be of interest to you. Please tick here if you prefer not to be contacted. IPC who publish Amateur Photographer would like to send you emails containing offers from carefully selected organisations and brands, promoting and researching their products and services. If you want to receive email's please tick here.**

# SUMMER



**DIRECT DEBIT GUARANTEE:** This Guarantee is offered by all banks and building societies that accept instructions to pay Direct Debits. If there are any changes to the amount, date or frequency of your Direct Debit IPCA Media Ltd, will notify you 10 working days in advance of your payment being debited or as otherwise agreed. If you request IPCA Media Ltd, to collect a payment that has not been debited, you will be notified at the time of the request. If an error is made in the payment of your Direct Debit, by IPCA Media Ltd, or your bank or building society, you are entitled to a full and immediate refund of the amount paid from your bank or building society. If you receive a refund you are not entitled to, you must pay it back when IPCA Media Ltd, asks you to. You can cancel a Direct Debit at anytime by simply contacting your bank or building society. Written confirmation may be required. Please also notify us.



**Freepost:**  
Amateur Photographer Subscriptions,  
FREEPOST CY1061, Haywards Heath,  
West Sussex RH16 3BR.

[No stamp required]



# SAVINGS

UP  
TO

# 37% OFF

the cover price  
THIS MONTH ONLY

## SUBSCRIBERS ENJOY:

- Pay only £1.56 an issue when you pay by Direct Debit
- EASY Direct Debit instalments
- In-depth, trusted reviews by top professionals



Order Online:

[www.amateurphotographersubs.co.uk/iapkd](http://www.amateurphotographersubs.co.uk/iapkd)

Offer may vary online



Call the Order line 8am-9pm

**0844 848 0 848**

Call and quote code **1171** Have your payment details ready.



# STUDIO KIT DIRECT

Buy On-Line at...  
www.studiokitdirect.co.uk

## Lastolite

### Collapsible, Reversible Backgrounds

6701 Black/White with train... **£183.90**  
1.8m x 1.5m... **£91.95**  
2.1m x 1.8m plus  
1.5m train... **£156.32**  
**WHITE VINYL ROLLS 2.75 x 6 metre on alloy tube £183.90**

## Hilite Backgrounds

from **£220.69**  
See web or ring for details

## LASTOLITE Cubelite, Ezybox Hotshoe

60cm Cubelite... **£81.73**  
90cm Cubelite... **£101.14**  
90cm Cubelite kit... **£321.84**  
Ezybox Hotshoe from... **£81.73**

## LASTOLITE Triflector

Compact and easy to use, Triflector is three panels on one lighting stand. Hinge mechanisms make all panels individually adjustable to get light exactly where you need it. The Sunfire/Silver version comes with a stand... **£128.73**  
Triflector without stand... **£110.34**

Lastolite Baby poser... **£84.59**  
Lastolite Posing tubs... **£173.69**

## LASTOLITE SAVAGE

Background paper

1 roll (2.75m x 11m)... **£40.85**  
Triple hooks (MN045)... **£27.99**  
XPan set... **£58.25**  
Interfit INT312 wall mounting kit for up to 3 rolls... **£61.29**

## Lastolite

### Lumen8 Pro Studio Flash Kits

Inc Stands, 2 brollies, cables & carry bag

**LUMEN8**  
NEW 400w/s 2 head kit... **£395.00**

## Elinchrom

New D Lite kits come with 2 x 66cm soft boxes plus a 16cm reflector and Skyport Eco Transmitter, stands, cables and carry cases

**NEW D Lite2 Kit 200/200**  
Softbox Kit... **£510.00**  
**NEW D Lite4 Kit 400/400**  
Softbox Kit... **£564.00**  
BXRI 500/500 Softbox Kit... **£919.55**  
BXRI 500/250 Softbox Kit... **£868.38**  
BXRI 250/250 Softbox Kit... **£817.38**

## Interfit

### NEW STELLAR X RANGE

Stellar 2 head kits come with 2 heads, stands, brollies and carry bag. Other kits available.

**STELLAR X 600/600 2 head kit... £572.16**  
**STELLAR X 300/300 2 head kit... £408.69**

## EX150 Mk2 Home Studio Kit

Kit contains 2 Heads with Stands, Soft Box, Broly & DVD

**£199.24**  
**EX150 3 head kit £326.95**  
**EXD200 2 head kit £270.76**

## Interfit

It's what your hotshoe flash has been waiting for! **NOW IN STOCK**

## Bowens

Gemini 200/400 shown

Gemini 200/200 studio in a bag... **£490.43**  
Gemini 400/400 studio in a bag... **£560.93**

Gemini 250R 2 head kit... **£766.30**  
Gemini 500R 2 head kit... **£918.54**  
**New Type R kits** - new features include 5 stop power range in 1/10th stop, dual power control, auto power dump, optional plug-in trigger cards for Pulsar or Pocket Wizard plus lots more!

See web for other kits

## Sekonic

Sekonic's highly rated, award winning meters are available in a wide range of models to suit all subjects and shooting conditions.

L308 S... **£132.82**  
L358... **£129.66**  
L758D... **£395.40**

## Expodisk

If you own a digital SLR or video camera, you need one of these. Replace your grey and white cards with the EXPODISK digital white balance filter. Available from

58mm to 82mm, **£47.95 to £76.33**  
**UK POST FREE.** See our website for details.

All prices are correct at time of going to press and include V.A.T at the new rate of 17.5%. E&OE. Studio Kit Direct, Bridgnorth, WV16 5JB

## SKD Muslin

### Backgrounds

Super size 10 x 16ft, also 10 x 20ft

- Mill Dyed for the truest and richest colours in BLACK, WHITE, CHROMA KEY GREEN & BLUE - from **£59.00** each.

Mottled now in 8 colours 10 x 16ft - heavy muslin to our own design and specification - machine washable Great Value!

**£60.28 each.**

## NEW!! Crease resistant fabric in Black or White in size 8 x 10ft only £34.99

## We stock a wide range of background support systems

From a host of respected brands including....

Lastolite 1108 **£132.82**

Manfrotto MN314B **£173.45**  
All above have telescopic cross bars

Interfit COR756 **£99.10**  
Plus a range of Lighting Stands and Auto Poles - please see our website

## Manfrotto

Heads & Accessories are listed on our website

## LEE Filters

**FREE UK Delivery**  
See below....

Improve your results TODAY!  
We carry huge stocks of Lee Filters - if it's listed on the website - it's in stock!

Example prices... **£54.00**  
Big Stopper 10xND Glass Filter... **£94.00**  
B+W Kaseman 105 mm circ polar... **£214.57**

Foundation Kit at the centre of the Lee Filter holder system and is primarily designed to take 100mm filters, although other sizes can be adapted to fit.

Once constructed, the holder clips easily onto the adaptor ring and can then be rotated to your exact requirements. This also enables optimum use of grad and special effect filters.

Starter Kit includes an assembled filter holder, a 0.6 ND grad, a cleaning cloth, and a Coral 3 grad with extended coloured portion that can be used as both a graduate and an all over warm up. All packed in the new three filter triple pouch... **£137.94**  
Adaptor rings from... **£18.90**  
W/A adaptor rings from... **£36.78**  
ND grad sets from... **£166.00**  
Resin sets from... **£67.00**  
Ind resins from... **£44.00**  
Multi filter pouch... **£34.00**  
105mm polariser ring... **£31.15**  
Standard lens hood... **£87.00**

**Free delivery offer applies to LEE FILTER orders over £75**

Buy On-Line... www.studiokitdirect.co.uk Tel: 01746 769 768

# MORRIS

## Photographic Centre

Visit our bags & tripods showroom  
Open Monday-Saturday 9am till 5pm

Unit 9, Worcester Road Ind Est, CHIPPING NORTON, Oxon. OX7 5XW  
Tel: 01608 644555 Email: sales@morrisphoto.co.uk

## Tamrac Velocity 10X Sling

Large enough to hold two bodies with lenses attached. Inside the main compartment, the camera with lens is suspended on 2 vertical, foam-padded dividers that are internally reinforced with rigid plastic. The bag can be carried comfortably like a backpack, but when swinging around to the front, the secure zippered Quick Flip Top opens away from the body for fast and convenient access to camera gear.

**Velocity 10X SAVE £4 £56.95**  
**Velocity 5X Hip Pack SAVE £19 £36.95**  
**Velocity 6X SAVE £8 £24.95**  
**Velocity 7X SAVE £1 £37.95**  
**Velocity 8X SAVE £3 £40.95**  
**Velocity 9X SAVE £3 £45.95**

## Tamrac Adventure 10

A modern backpack designed for the SLR photographer with a pro digital or film SLR with a grip and 8" lens attached, numerous additional lenses, accessories, flash and a 17" screen laptop. The foam padded lower compartment protects photo equipment, the extra large top compartment holds a light jacket, lunch or other necessary items. A separate, foam-padded compartment provides quick access to a laptop up to 15 1/2" x 11" x 2" in size without disturbing photo gear.

**Adventure 10 £99.97**  
**Adventure 6 £34.95**  
**Adventure 7 £49.95**  
**Adventure 75 Black/Rust £49.97**  
**Adventure 9 £84.95**

## Tamrac Explorer 400

Designed to hold and protect a DSLR with a 5" (12.7cm) lens attached, an additional lens or two plus a flash. Accessories can be held in the front and side pocket. Supplied with a removable rain cover for bad weather.

**Explorer 400 SAVE £28 £39.90**  
**Explorer 100 SAVE £22 £32.90**  
**Explorer 200 SAVE £18 £37.90**

## Tamrac Expedition 6X

Medium size bag offering foam padded protection and quick access to multiple SLRs, lenses, flash and accessories. The main compartment is completely foam padded with numerous adjustable, foam-padded dividers to protect digital or film SLRs, 5-6 lenses, and a flash. The camera with a long zoom lens attached lays on two vertical, foam-padded dividers internally reinforced with rigid plastic. A restraint strap holds the lens firmly in place. Two Windowpane Mesh™ pockets inside the front flap visibly organize filters, film and other accessories. A plastic, foam-padded platform in the bottom provides shock protection while a LockDown™ rain flap protects the zipper from the elements.

**Expedition 6X £89.95**  
**Expedition 4X SAVE £60 £59.97**  
**Expedition 5X £79.95**  
**Expedition 7X £125.95**  
**Expedition 8X £148.95**  
**Expedition 9X SAVE £100 £159.97**

## Lowepro Slingshot 100AW

Uses a unique sling design to go from carry mode to ready mode in seconds. Carried comfortably on the back, it easily rotates to the front so you can get to your camera quickly. Holds an SLR with mid-range zoom attached, 1-2 extra lenses, cables and accessories and has a full access lid for easy loading. Also includes a built-in memory card pouch, micro fiber LCD cloth and two generous organizer pockets.

**Slingshot 100AW Red only £34.00**  
**Slingshot 200AW Red MORRIS SAVE YOU £29! £49.95**

## Kata DR-461 Backpack

Features a unique TST Rib Structural Protection for a D/SLR with a mounted lens, 2-3 lenses, flash & accessories. The main compartment holds a D/SLR while the modular dividers separate, organize & protect lenses, and other accessories. Additional gear can be stored in the front pocket which can be accessed either externally or internally.

**DR-461 Backpack £43.95**

## Kata 3N1-30 Backpack

Provides ultimate freedom and allows for three carrying options in one. In sling position, the bag easily swings around from back to front for quick access to your main camera and backup lenses. In backpack and "X" position you can comfortably carry your equipment for long distances. The included chest belt and balancing hip strap helps take the load off your shoulders. Arrange your equipment in the bottom main compartment of the pack using the modular dividers to custom fit the bag to your exact equipment. The top compartment will hold personal or additional gear, and the two external pockets allow quick zippered access to accessories without opening the main compartments. The included rain cover folds neatly away into an integrated pocket.

**3N1-30 Backpack £88.95**  
**3N1-10 Backpack SAVE £16 £63.95**  
**3N1-20 Backpack SAVE £18 £71.95**

## Cokin 'Z' & 'P' Graduated Filters

Complete range of Cokin filters, including graduated blue and graduated grey filters always in stock, as is the graduated fluorescent pink filter.

**Graduated Grey (Z121 series) ea £48.95**  
**Graduated Blue (Z122/3) ea £41.95**  
**Graduated Tobacco (Z124/5) ea £43.95**  
**Graduated Grey (P121 series) ea £15.95**  
**P ND Graduated Kit H250 £44.90**  
**Z ND Graduated Kit U960 £135.90**  
**Z Filter Holder BZ100 £42.95**  
**Z Adapter Rings from £16.95**

## Gitzo GT2331 Tripod

Series 2 tripod incorporating advanced materials. The legs are made from aluminum tubes, but with only 1.2mm wall thickness, resulting in a 30% weight reduction. Finished in a brushed matte black for improved locking performance & minimized reflectivity. The center column is made of basalt which is 20% lighter than aluminum.

**GT2331 Tripod £199.97**

## Manfrotto 190XPROB

Makes the patented horizontal center column feature even easier to use. Now, by extending the column to its highest vertical position, it can be swung around to horizontal without removing the head or disassembling the column itself. The ergonomics of the leg angle release mechanism and the quick action leg locks are easy to use. Comes with a built in bubble spirit level to make camera alignment quick and easy.

**190XPROB Tripod £104.85**

**PLUS claim £20 Cash-Back from Manfrotto - 190XPROB £84.85 AFTER Cash-Back**

## Manfrotto Monopod Offer

Until 31st July 2010, buy any of these Manfrotto monopods and receive a 234 head absolutely FREE!!

**334B £60.95**  
**679B £34.95**  
**680B £43.95**  
**681B £49.95**  
**682B £79.95**  
**685B £129.95**

Or buy either of these monopods and receive a 234RC head absolutely FREE!!

**694CX FREE 234RC head £117.00**  
**695CX with each monopod £134.95**

## Manfrotto 190XDB Tripod

Lighter in weight and slightly more compact than the 190XPROB Tripod. It has an ergonomic leg angle release mechanism and wing locking knobs. Closed length: 53.5cm. Leg sections: 3. Load capacity: 5kg. Material: aluminum. Max height: 146cm. Max height (center column down): 118.5cm. Min height: 35cm. Weight: 1.6kg.

**190XDB Tripod £79.95**

## MORRIS PHOTOGRAPHIC - BEST FOR BAGS and TERRIFIC FOR TRIPODS!

www.morrisphoto.co.uk/offers

Morris helpline number: 01608 649224

**FREE CARRIAGE ON ORDERS OVER £65 TO U.K. MAINLAND ADDRESSES**  
All prices valid whilst stocks last



# Canon IXUS 300 HS

Canon launches its new low-light-capable HS system with the ten-million-pixel IXUS 300 HS



## DATAFILE

RRP  
£379.99  
Sensor  
10-million-effective-pixel CMOS  
Output size  
3648x2736 pixels  
File format  
JPEG, MOV video  
Lens  
28-105mm  
(equivalent) f/2-5.3  
Sensitivity  
ISO 125-3200 (ISO 6400 at 2.5-million-pixel resolution)  
Exposure modes  
Auto, shutter/aperture priority, 17 scene modes  
Exposure metering  
Evaluative, centreweighted, spot  
White balance  
Auto, 5 presets and face detection WB and custom LCD  
3in, 16:9 aspect ratio, 230,000 dots  
Focus modes  
AiAF (face detection/9 point), 1 point AF fixed to centre  
Memory card  
SD, SDHC, SDXC  
Power  
Rechargeable  
Lithium-Ion NB-6L  
Weight  
175g (including battery and memory card)  
Dimensions  
100x54.1x23.6mm

Tim Coleman  
Technical writer

**SHORT** dynamic range and poor performance in low-light conditions are two of the most obvious downsides to shooting with a compact camera. With this in mind, Canon has shifted its emphasis from a high pixel count to images with less noise and more detail in its latest compact camera, the IXUS 300 HS. We might deduce that the HS stands for high speed/sensitivity, but Canon tells me that it doesn't stand for anything. In much the same way as Canon has reduced the number of pixels in its PowerShot series – the G11 has ten

million pixels, while its G10 predecessor has 14.7 million – the 300 HS has 4.1 million fewer pixels than the IXUS 210, Canon's highest pixel-count IXUS compact camera.

Canon's new IXUS 300 HS has DIGIC 4 processing and a high-sensitivity, back-illuminated CMOS sensor. When these are combined with the same size sensor as previous IXUS models, lower noise levels should be ensured. The wide and bright lens has an effective focal range of 28-105mm and an aperture of f/2 at 28mm (effective), through to f/8 with several aperture settings in between.

### BUILD AND HANDLING

Elegant curves and a stainless-steel body encase the slim, mobile phone-sized IXUS 300 HS. There is no viewfinder, but the 3in, 230,000-dot, 16:9 aspect ratio LCD screen has a wide viewing angle both horizontally and vertically, and can be seen reasonably well in sunlight. The widescreen format is perhaps an indication that HD video will become an increasingly prominent feature in future compact camera releases. I was concerned that I might crack the screen when the camera was in my pocket, but it survived when treated with care.

There are many features consistent with recent releases in the IXUS range (see the IXUS 210 test in AP 22 May), such as smile- and blink-recognition shooting modes. These work particularly well when shooting children or when using the self-timer. The menu is simple to navigate with the responsive scroll wheel, which enables button provision to be kept to a minimum. Enthusiasts will appreciate the aperture and shutter priority modes,

but there is no fully manual setting.

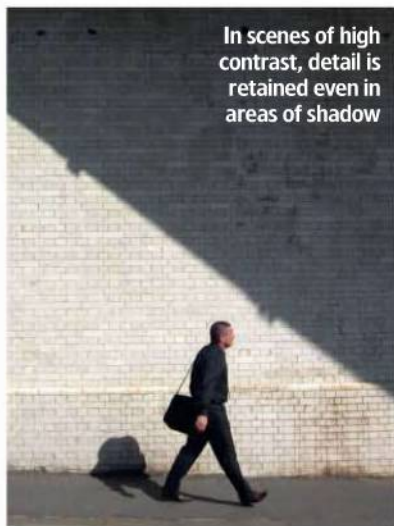
### PERFORMANCE

Images are generally punchy, and both the white balance and auto meter readings are accurate. There is no manual-focus mode, but the AF (nine-point and fixed-to-centre one-point) is responsive and performs well. However, I would have liked the option to select the active focus point in the one-point setting.

Images have detail in high-contrast scenes, such as sunny skies and shadows, indicating that the IXUS 300 HS has a high dynamic range. In extreme high-contrast scenes the i-contrast mode can be activated to brighten shadows and increase midtone contrast, but overall images tend to look flatter. In backlit conditions there is a little fringing, but these issues are minor as they will only be noticeable on prints of A3-plus in size.

Chroma noise is virtually non-existent and at ISO 3200 luminance noise is handled quite well, with only a hint of smudging. In fact, the camera scored an impressive 18 at ISO 100 and 14 at ISO 3200 in our resolution chart tests. In low-light shooting mode ISO 6400 is available, but the pixel count drops to 2.5 million so few photographers will use this option. In continuous shooting mode, 3.7fps can be achieved at full resolution, but to achieve the maximum 8.4fps the pixel count again drops to 2.5 million pixels.

Having used both the scene selection and semi-auto shutter/aperture priority shooting modes, I found that the Smart Auto mode accurately produced optimal settings, including white balance. I was generally happy to settle for this as a default, and when the Smart Auto mode wasn't suitable I found the menu simple and easy to navigate. **AP**



In scenes of high contrast, detail is retained even in areas of shadow

## Verdict

**THIS** stylish little camera packs a big punch. The dynamic range



and low-light performance are excellent thanks to the HS-system CMOS sensor, and the Smart Auto mode is reliable under a variety of settings. With a few fun extras thrown in like fisheye and miniature-effect modes, the Canon IXUS 300 HS should interest both the casual and discerning photographer.

Canon (UK) Ltd, Woodhatch, Reigate, Surrey RG2 8BF. Tel: 01737 220 000. [www.canon.co.uk](http://www.canon.co.uk)



# E6 PROCESSING

Highly skilled E6 staff, state of the art equipment, same day turnaround, safe travel packaging, great prices!

You shoot E6 for a reason!  
Choose your processing lab for the same reason...

## Quality!!

By reputation Peak Imaging is the UK's No 1 E6 Processing Laboratory

### E6 Processing

Same day return

Professional monitored process control. High quality sleeves / plastic mounts & boxes.

Film type/no of exp.	Sleeved	Mounted
135/24 exp.	3.75	5.20
135/36 exp.	4.04	5.90
120 Roll Film	3.75	---
5 x 4 Sheet Film	2.50	---
Speed changes - Add £1.10 per film		



E6 & C41 Fuji Oasis professional monitored service

### Film Processing Discounts

5 - 9 rolls : 10% off	10 - 24 rolls : 15% off	25+ rolls : 20% off
-----------------------	-------------------------	---------------------

Post and Packaging £2.95 per order (£1.47 for a single film - process only)



## Superior Canvatech Wrap

A 3D flush-mounting wallboard is the in-vogue way to display your creative photography. Your archival photographic print is wrap-mounted around a custom-made MDF panel and laminated with your choice of texture to create a 20mm or 45mm display block.

The prices below include a top quality, selective archival print which is available in colour, sepia or black and white from negative, transparency or data file.

All wraps are fitted with flush mounting brackets. \*The default Canvatech texture finish is Canvatech but the alternatives are Linen and Emery (Matt). Intermediate sizes are available for the 20mm Canvatech, these are charged at the next size up.

Size (ins) up to	10 x 8	12 x 10	15 x 12	18 x 12	
Canvatech	45.00	50.00	63.00	70.00	
Size (ins) up to	20 x 16	24 x 20	30 x 20	30 x 24	30 x 11
Canvatech	80.00	105.00	120.00	130.00	80.00
Size (ins)	20 x 16	24 x 24	30 x 20	30 x 24	30 x 11
Canvatech 45	90.00	120.00	130.00	140.00	110.00

Courier delivery within the UK is standard at £12 per item

Cheque, PO or credit card details with order please to  
PEAK IMAGING, Dept AP05, FREEPOST RLSY-YZJX-SLXC, Sheffield S20 3PP

Tel : 0114 224 3207  
Email : sales@peak-imaging.com

All prices INCLUDE VAT

All prices shown are in pounds sterling and are inclusive of VAT. Overseas customers credit card only - postage will be charged at cost. Please ensure that films are packed in a strong padded envelope. Liability limited to value of unexposed material only. Items of special value must be insured. Full terms and conditions of business can be found in our price guide and on our website.

**PEAK**  
imaging  
www.peak-imaging.com

**Fotospeed**  
DIGITAL

Best Professional Inkjet Paper  
THE SOCIETY OF PROFESSIONAL PHOTOGRAPHERS  
2009 TRADE AWARDS  
FOR THE SECOND YEAR RUNNING



### EG FineArt InkJet Papers

#### PLATINUM LUSTRE

- 100% acid free Baryta style art paper, perfectly suited for giclée printing
- Neutral white base, high D-max
- Available in A4, A3, A3+ and A2 cut sheets and 17", 24", 36" and 44" rolls of 12m
- Prices from £19.99 inc VAT
- Wide variety of media in the PLATINUM range includes Gloss and Gloss Warmtone.



### Another winner - Natural Textured

In a recent group test of 8 top papers, Fotospeed Natural Textured achieved a maximum of 5 stars across all categories.

IMAGE QUALITY	*****	VALUE FOR MONEY	*****
TEXTURE AND WEIGHT	*****	OVERALL VERDICT	*****

Group Test, Digital Photo, March 2010



Contact us for your free sample sheets, whilst stocks last, or for more information.

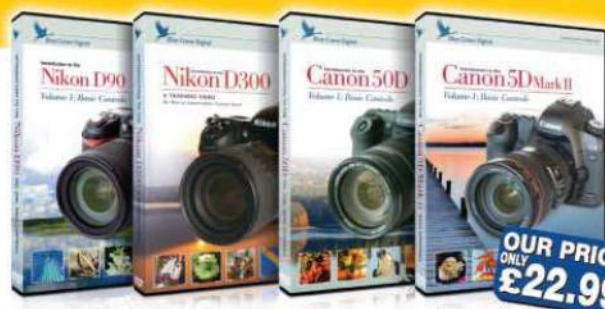
trusted from darkroom to digital

**Fotospeed**  
DISTRIBUTION

+44(0)1249 714 555

www.fotospeed.com

## MASTER YOUR D-SLR WITH A MODEL SPECIFIC TRAINING DVD



OUR PRICE ONLY £22.99

- Interactive menu
- Learn at your own pace
- Individual subject chapters
- Review subjects instantly
- Understand all features
- Capture better images
- Accelerate your learning curve
- Learn from the experts

AVAILABLE FOR:

**Nikon**

D40, D40x, D50, D60, D70, D70s, D80, D90, D90 Advanced, D200, D300, D300 Advanced, D700, D5000 Advanced, SPEEDLIGHT SB900/SB800

**Canon**

7D, 7D Advanced, 5D, 5D MKII, 5D & 50D Advanced, 20D, 30D, 40D, 50D, 300D, 350D, 400D, 450D/1000D, 500D, 500D Advanced, POWERSHOT A550/S50, A570i, A630, A640, A710i, SPEEDLIGHT 580ex II, 580ex, 430ex II, 430ex

OLYMPUS

E300

**SONY**

ALPHA 100

Shoot Great Video with your DSLR  
NEW INTERACTIVE DVD'S  
£22.99 CANON or NIKON



THROUGH THE EYES OF A PRO  
ADVANCED TRAINING DVD'S  
NIKON: PART 1, PART 2  
CANON: PART 1, PART 2  
£22.99 FOR EACH PART



NEW!  
IN BRIEF FOLDABLE FIELD GUIDES  
QUICK REFERENCE LAMINATED GUIDES FOR OUTDOOR USE  
AVAILABLE FOR:  
NIKON: D200, D80, D70, D60, D50, D40  
CANON: 5D, 30S, 350D, 400D  
£8.50 FREE POST!

PURCHASE BY PHONE OR ONLINE FROM:

**CRK** Photographic

Unit 7, Devonshire Business Centre, Cranborne Rd, Potters Bar, EN6 3JR  
e:sales@thedarkroom.co.uk t:01707 643 953 www.thedarkroom.co.uk



## Amateur Photographer's... ICONS OF PHOTOGRAPHY ICONIC SCIENTIST

# Alfred Watkins

1855-1935

Although largely forgotten, this Victorian amateur photographer and self-taught polymath made vital progress for the medium

**ALFRED WATKINS** was ostensibly a typical Victorian amateur photographer. In those pre-Kodak days you needed money to practise the process as a 'hobby', and his family owned several businesses in the Gloucester and Hereford areas. After attending a private school, he was self-taught in the subjects that interested him, of which there were many. In 1883, he won the City and Guilds Silver Medal. He was described as knowing 'everything about something and something about everything'. In 1905-6 he became involved with politics, heavily supporting the Liberal party against trade protectionism with lectures and slide shows.

Watkins became interested in photography through a self-built pinhole camera. He never believed in spending money on kit that you could build from everyday materials. This occurred at the time when the wet plate – prepared, exposed and developed on the spot – was being replaced by the dry gelatino-bromide plate. Being dry, the plates could be manufactured and sold in boxes ready to expose. At first 'ordinary' (blue-sensitive only), the colour sensitivity began to extend into green, where the eye is most sensitive, and which gives a better greyscale colour equivalent. These films are called 'orthochromatic' and are still on sale today.

Means were soon found to extend colour sensitivity into red – the beginnings of 'panchromatism' – but in the 1880s, a problem reared its head. With the wet plate process and the dry 'ordinary' plates, you could develop under a red safelight and stop when the negative contrast reached a level you liked. However, the extended spectrum of the new dry plates, especially into red, meant they had to be processed in total darkness. So how to know when to stop?

Watkins came up with the answer – development by time and temperature, the two factors that determine negative contrast. He published figures for the development times in different formulae,

Although he standardised plate development times and invented the forerunner to the exposure meter, Alfred Watkins remains largely forgotten

**'Watkins never believed in spending money on kit that you could build from everyday materials'**



which were soon included on makers' leaflets in developer and plate boxes. When development under a safelight was possible, and for bromide prints whose depth can be difficult to judge, Watkins worked out the time it took from when the image first appeared until a good black was reached. This interval was, and is, the Watkins factor.

Although Hurter and Drifffield's work (see *Icons of photography*, AP 12 September 2009) meant that new film boxes could now give fairly accurate 'film speed' data, how were you to relate this to the eventual camera exposure? Hurter and Drifffield had built actinometers but they were for lab use. Watkins, instead, produced the Bee Meter, named for his lifelong interest in beekeeping. Shaped like a watch, the H&D speed was set before pointing the meter at the incident light source until a piece of bromide paper darkened to the tint of a reference colour next to it, which gave the required exposure. The Bee Meter could be used anywhere, and was the forerunner of all exposure meters.

For these two eminently practical inventions, Watkins deserves the Icon label, even though his name is largely forgotten. He was also a keen archaeologist, and founded the Naturalists' Field Club. He made a survey of pigeon loft conditions in Herefordshire, and an important photo survey of church and market crosses. His most important, and remembered, non-photographic work was his proposed ley lines, which he asserted were ancient features that, when joined up, were the straight lines along which prehistoric nomadic tribes navigated across forested Britain. Although now broadly discounted, his seminal book, *The Old Straight Track* (1925) is still in print.

He died in 1935, leaving a wife, a son who became a distinguished scientist, and a daughter. The *Daily Express* wrote: 'He was scholar, miller, archaeologist, naturalist, inventor, magistrate, county councillor... he was full of years and honours.' It did not mention photographer or apiarist, but we can surely accord him the status of an icon of our craft. **AP**



# STOP! DON'T BUY A DSLR...

**26 TOP MODELS** REVIEWED & RATED

**CANON 550D** **ON TEST**

**WHAT DIGITAL SLR?**

FROM THE MAKERS OF **What Digital Camera Photographer**

FIND THE RIGHT CAMERA FOR YOU

**CANON 550D**

IS CANON'S LATEST DSLR THE RIGHT ONE FOR YOU?

**DSLR TECHNOLOGY EXPLAINED** Our guide to cutting through the jargon!

**MICRO SYSTEMS** Like a DSLR only smaller!

**PLUS! ACCESSORIES** All the essential kit you need to take your photography to the next level

**BUYER'S GUIDE** Featuring **30 DSLRs** + **302 Lenses**

**ON SALE NOW!**

CANON • NIKON • OLYMPUS • PENTAX • S

...until you have read **What Digital SLR**  
Packed with expert advice and reviews



Geoffrey Crawley explains...

# Lens construction

If you have ever wondered what goes into making that triumph of optical engineering that is your camera's lens, then read on. In this, part one, we explain the science and technology behind their construction and how these elements produce your images

**THE SIMPLEST** lens element is the meniscus. Despite the spherical and chromatic aberrations, it was the standard lens built into countless models of inexpensive cameras, and gave acceptable results using black & white film. Those used were usually orthochromatic (blue/green sensitive), so the lack of red corrections was less important. But after the Second World War, the arrival of cheap colour film spelled its doom, except in the cheapest toy kit.

To avoid over-complication, I will name only the main aberrations. These are the errors most noticeable to the photographer: spherical aberration, chromatic (colour) aberration, and curvilinear distortion. This

latter error images straight lines as bowing either outwards (barrelling) or inwards (cushioning). In the digital age, lateral (sideways) colour dispersion, or aberration, is a particular sin, resulting in ugly colour fringes. It can be difficult to reduce to a minimum, though some DSLRs have firmware routines that remove it, usually when filing JPEGs.

Lens elements usually have spherical element surfaces, whose shape forms part of a curve (or rather, a globe). Hence they project the image in a similarly curved shape. Uncorrected, the flat film or sensor would only see part of the image as sharp. Stopping down brings a greater area into

Fig A

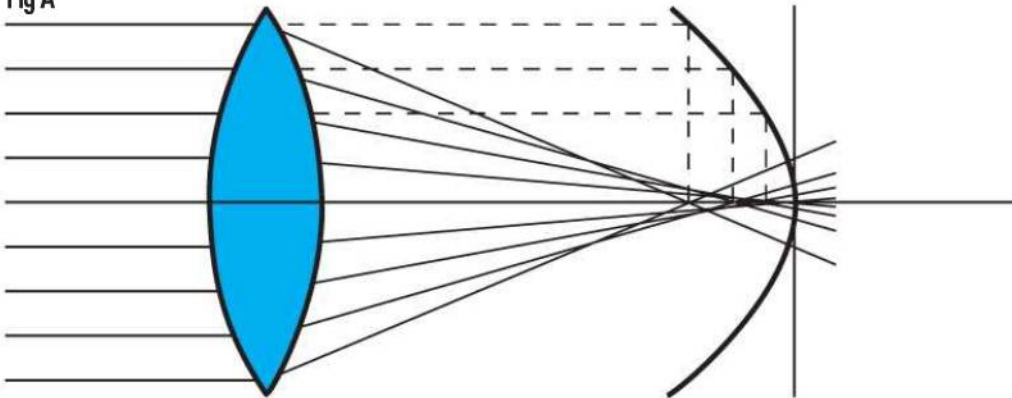
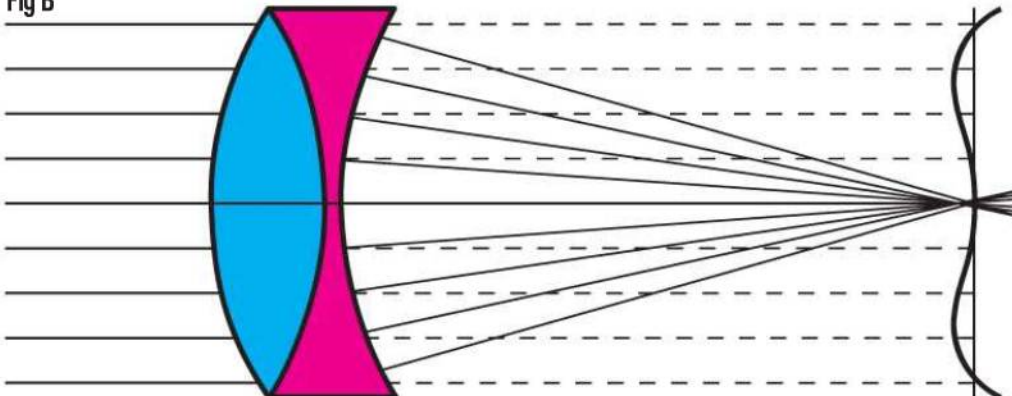


Fig B



**Fig A A spherical meniscus element reduces in thickness towards the edges, so marginal light rays are brought to closer focus than the central rays. The effect on the image field is to curve it into a sphere, giving spherical aberration**

**Fig B Using a flint and crown doublet increases the glass thickness at the element's edge. Central and edge travel the same distance, which corrects the spherical aberration**

focus, but there are other errors – for example, the fall-off of image illumination towards the edges and corners of the picture, known as vignetting. This can be a special problem in digital photography: the micro lenses that front the sensor mask light as it arrives more and more obliquely towards the frame margins, rather like a too-narrow lens hood.

## OPTICAL GLASS

Glass is basically made of silica, as bountiful as the sands of the seaside. When heated, it fuses into a transparent material. To make a lens element, a block is coarsely ground down and then polished to shape. With a meniscus lens, the deeper and stronger its curve, the closer to the lens the image is focused. The distance from the centre of the lens to the focused image of a distant object is known as its focal length and determines the size of the image relative to the subject. This applies to all lenses, no matter how many elements they contain. In multi-element optics, the focal length is measured from the optical centre, its principal plane, which may not be the measured centre of the optical cell as it appears.

The two main properties of glass for imaging purposes are its light bending power, or 'refractive index' (RI), and its colour dispersion. Sir Isaac Newton found that sunlight was composed of a rainbow of colours from blue to red. It happened because the glass in the prism he used dispersed the colours according to wavelength. The refractive index determines how deep the curve needs to be to give a lens or element of a given focal length. A glassware maker, G Ravenscroft, realised that RI and colour dispersion varied with the source of silica used for the glass. He found that very pure glass with favourable high RI and low colour dispersion could be made from silica deposits in the south of England. It was named 'flint' glass from the surrounding geology. If you have tableware or vases that feel heavier than you might expect, that will be flint glass, as it can contain up to 40–60% lead.

The other type found was named 'crown' glass. It is made from alkaline silicates with a potassium oxide content. Refractive index is low with this glass, as is colour dispersion. It is part of the inherent nuisance of things that glass with a useful high RI will also have undesirable high colour dispersion, while a glass with low dispersion will have a low RI.

## CROWN AND FLINT

The doublet was a big step forward, improving the performance of astronomical telescopes by a major factor. It proved excellent for photographic cameras too, correcting colour for two spectrum bands, bringing the blue and most of the green to a common focus. The term 'achromat' is used for a lens of this type. A lens bringing red to the same focus as blue and green is termed an 'apochromat'. The term can be abused today when correction may not extend as far into the red as it implies.

It did not then take long to realise



Fig C Cushion

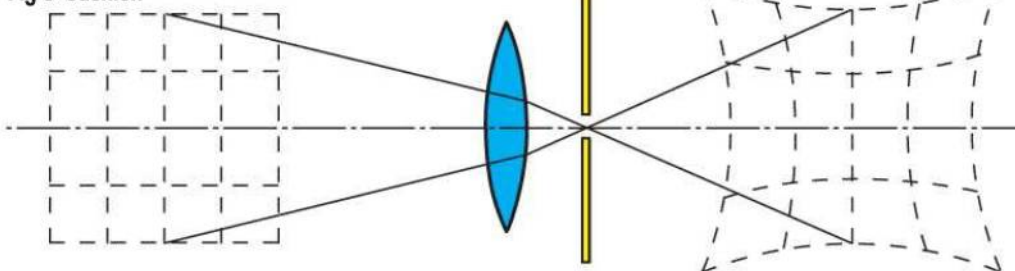
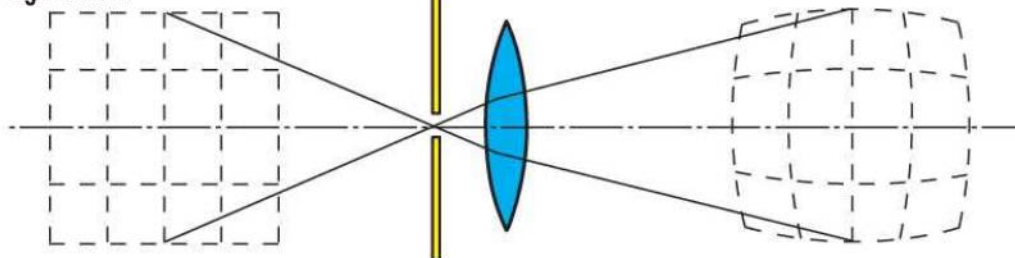


Fig D Barrel



that if you backed a doublet with another reversed (see Fig E), a further reduction of aberration, both chromatic and curvilinear, occurred. The rapid rectilinear symmetrical lens had now arrived, and it proved one of the most popular in 19th century photography. It is said to have been discovered by John Dollond, an English optician, and retail shops

of the Dollond & Aitchison ophthalmic optical company are still in business in our high streets. Crown and flint reigned supreme until Abbe and Schott began orderly research into glass types and the effect of additional chemicals on RI and colour dispersion.

This work produced the Jena Abbe glasses of the 1880s. They allowed a new generation of more highly corrected

**Fig C and D The position of the lens aperture stop influences curvilinear distortion. That is why wide range zooms go from barrel (at the wideangle end) to cushion (at the telephoto end). The stop cannot move far enough to compensate**

photographic lenses to be calculated, especially for astigmatism, which is the failure to bring adjacent vertical and horizontal lines to the same sharp focus. The modern era had arrived and research into new types intensified, notably after Second World War. But crown and flint are still there in the current Schott optical catalogue listing numerous types in modern use. But research has majored on high RI, low colour dispersion glasses to meet the demand for improved telephoto lenses. They are also significant in the design of zoom lenses, which have generally taken over from monofocals in the last 20 years as the standard lens sold with the camera.

As we've seen, the two most important properties of a transparent medium from the camera lens point of view are its refractive index and colour dispersion. Ernst Abbe and Otto Schott, who established the great German glass foundry, compiled a catalogue of the known types, all of which the firm can supply. To denote colour dispersion, an 'Abbe number' is given – the

## THE BIG STEP

Post-war developments were triggered when Canon launched two telephoto lenses with elements in crystalline fluorite. Their performance in sharpness and detail definition was far in advance of existing telephoto optics. The problem with fluorite, however, is that it is temperature sensitive and very soft. It is easily abraded and slowly turns opaque in a pollutant atmosphere. Plus, it is hard to grow the crystalline structures in which it is formed. Used within an optical cell, it can be protected with nitrogen but, overall, it is a difficult and expensive medium. Nikon soon reacted and marketed Nikkor lenses with extra low (colour) dispersion (ED) optical glass. It lacks as high an RI and as low an Abbe number as fluorite, but has none of its drawbacks.

Since ED glass appeared, further improvements have been made, leading to super low dispersion (SLD) glass, ultra low dispersion (ULD) glass, and so on. Only one type stands out from the succession: glass with anomalous partial dispersion. Normally, the colour spectrum produced by a glass follows the pattern of a mathematical formula. However, glass formulations

have been found that produce lower dispersion in one spectrum band than the others. Obviously, this can help solve a problem, say, in an optic with greater colour aberration in one spectrum band than elsewhere. With such esoteric optical glasses, the technology stands today. But not for long: at photokina in February this year, Sigma announced lenses using a new glass claimed to have properties equalling fluorite. Whatever next?

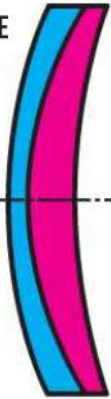
### COATING

The best efforts of the glass researchers would be in vain but for a separate development. Multi-element lenses would not produce a worthwhile image due to the build-up of internal reflections bouncing back and forth between them, were it not for anti-reflection coating.

Back in 1912, the leading UK optician Dennis Taylor had noticed that a lens element, tarnished by exposure to an industrial atmosphere, transmitted a clearer image than a brand new one. He patented a process for chemical tarnishing but nothing was done about it. During the Second World War, a Kodak Aero-Ektar for aerial photography had one surface anti-reflection coated. In 1935, a Zeiss optician, A Snakula, developed a method of evaporating a thin film of metal oxide onto a glass surface, but it did not attract attention until after the war, when its practical significance was finally realised. The principle is simple: most light travels though



Fig E



**Fig E** The most popular lens of the 19th century: the Rapid Rectilinear or Aplanat. Two doublets back to back broadly cancel out the main geometric aberrations of each. Back half used alone gives double the focal length. Capable of fine image quality when made in high-grade crown and flint glass

lower the better. For example, a typical crown glass has a low RI of 1.5 and an Abbe number of 60. Flint can have an RI as high as 2 and an Abbe number of around 45. Naturally, the catalogue contains much other information. The Japanese equivalent is the Hoya catalogue.

The usual procedure when an optical firm comes up with an important chemical formula for a new optical glass is to first patent it. It can then be made on an industrial scale by Scott or Hoya and, if the patent owner wishes, it can be made available to other optical firms on payment of a licence fee. **AP**

**Fig F** The UK Cooke triplet of 1894 used the new Jena glasses to correct the astigmatism that lenses had suffered from. It foreshadowed Paul Rudolph's brilliant triplet version, the Tessar

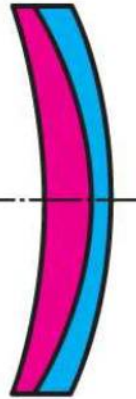


Fig F

**Fig G** Paul Rudolph's Zeiss Tessar, by far the most widely manufactured type, and still going strong today after 118 years. Excellent all-rounder, though its bokeh is only fair

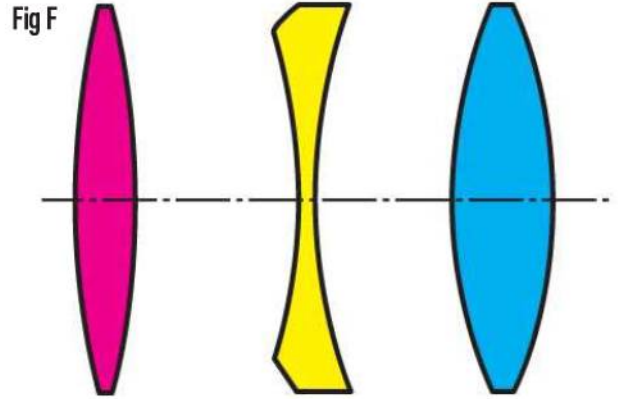
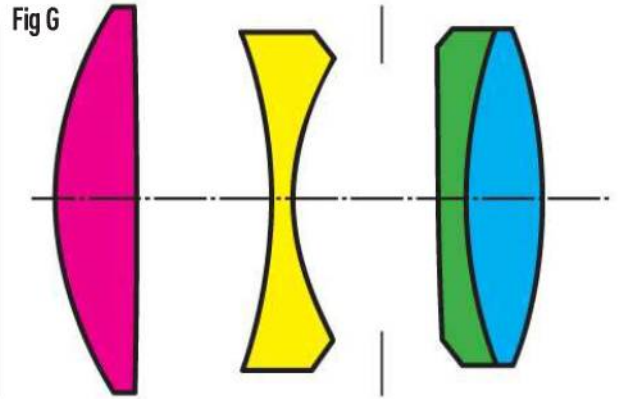


Fig G



a lens, but some is reflected from the element's surface. The micro-thin coating provides a second reflecting surface, but the reflected waves are out of phase. That means its wavelength peaks match the wavelength troughs of the reflections from the lens element. They cancel each other out and the reflection disappears.

Naturally, a lens receives light of a variety of wavelengths, so nowadays multi-layer thin film coatings are used, though progress continues. Without anti-reflection techniques, modern multi-element monofocal and zoom lenses would not form a useful image.

## THE COMPUTER AGE

In terms of actual design calculation, and taking advantage of the advances we have discussed, over all else looms the computer. Designing a lens still uses the same routine it always did: ray tracing – that is, tracking the path light rays take after entering the lens from a range of angles. This shows whether aberrations are likely, and the properties of the optical glasses expected to be used and a rough spec of the desired lens are established. From their experience the old pre-computer-aided design (CAD) technicians make a rough drawing of the likely configuration. Then begins the laborious task of calculating the path that the rays would take from a point at infinity through the chosen elements of optical glass. A prototype might even be made, and slowly a picture will build up of

how efficient the imagined configuration would be. Perhaps after a year or two a decision will be made whether to market the design.

Many years ago on a visit to the Carl Zeiss works at Oberkochen, Germany, I was taken to see the computer department. On the way we passed a large, high, and empty, multi-storey building, which had once been the home of a hundred or more operators of mechanical calculating machines. These work like one-armed bandits: you set the wheels to the numbers, then pull the handles. They spent their working life calculating ray paths according to the formulae sent them by the lens design teams.

The new computer installation proved to be one large room of throbbing mainframes and about 30 personnel. Alarming, most of them had hair standing up on end because of the static. I was invited to propose a lens specification and chose a 60mm f/2.8 1:1 focusing product for 135 format. Just five minutes later I was handed a complete printout with five design options, each fully ray tested. There were the predicted MTFs, colour aberration, distortion, vignetting, and so on, of each lens. Pre-CAD, I was told this would have taken years to reach. But as to what option to go for among those provided relies on the knowledge, intuition and experience of the design team. The

human factor remains supreme; Zeiss assured me it was this that maintained its superiority, not its computer hardware.

## ASPHERICS

About the same time as the computer was making its impact, interest revived in lens elements of which one or both surfaces are not curved as part of a sphere. The French philosopher Descartes (1596–1650) had actually investigated aspherics, as did UK scientist Charles Cavendish in the 19th century. Descartes even designed a machine that could grind and polish them. In the 1960s this was used as a starting point for research.

An aspheric element is one that alters its curvature across its surface. While complex and expensive, in some lenses they can reduce the increase in a spherical aberration as the lens is focused closer, as well as reduce vignetting. Three forms are in use. First, a complete blank of optical glass can be ground and polished, but this is slow and costly. Second, a spherical base of optical glass is fronted by an aspheric-surfaced cap in optical resin, which is less expensive and very effective. Third, the whole element can be precision moulded in a high-grade synthetic. This is the least expensive medium and may be used in lower-cost optics.

These are the means modern designers have at their disposal. Next time, in part two, we will see how they come together to create the modern camera lens.



# IN STOCK @ Mifsuds

## EOS 1D MKIV

- 16.1 MP APS-H CMOS sensor
- 10fps at up to 121 JPEG burst
- 45-point AF system - 39 cross type sensors
- Full HD (1080p) movies with manual control
- High ISO up to 102400
- 3" Clear View II LCD - Live View mode
- Dual "DIGIC 4" processors
- EOS Integrated Cleaning System



**EOS 1D MKIV body only £3699**

## EOS 7D

- 18 MP CMOS Sensor
- Dual DIGIC 4 Processors
- ISO 100-6400 (expandable to 12,800)
- 8.0 fps
- Advanced movie mode with manual exposure control
- 19-point AF
- Magnesium body with weather resistance
- iFCL Metering



**EOS 7D body only £1249**

## PART EXCHANGE WELCOME

**Mifsuds .COM**  
FAMILY RUN SINCE 1954

We are happy to reserve new and used stock for customers travelling long distance. Prices subject to change without notice so please check availability to avoid disappointment.  
**Family Run Pro Dealership with Friendly, Knowledgeable Staff. Part Exchange Welcome. Collection Service Available.** Prices correct when compiled 24/06/10  
Prices inc VAT @ 17.5% E&OE  
**WE STOCK IN DEPTH!**  
Quality and Service from one of the UK's Best Stocked Pro Dealers - (OPEN 7 DAYS PER WEEK)  
27-29, Bolton Street, BRUXHAM, Devon. TQ6 9BZ  
Mail order: 01803 852400 Email: [info@mifsuds.com](mailto:info@mifsuds.com)

**elinchrom+**  
creative image lighting technology

## BXRi

"Elinchrom isn't kidding when it says this kit is like no other."

- Digital Photographer, 10/10 Editors Choice



"excellent technology and very easy to use... delivers superb performance"  
PP May 09

[www.theflashcentre.com](http://www.theflashcentre.com)

**SUN SNIPER**  
[www.sun-sniper.com](http://www.sun-sniper.com)



Fast - Easy on Your Back - Comfortable - Glides Smoothly - Safe

For full stockist list please go to

[www.pscdistribution.co.uk](http://www.pscdistribution.co.uk)



partexchangewelcome



**londoncameraexchange**



the **used** equipment specialists

Search our classic and used equipment on-line now at [www.LCEgroup.co.uk](http://www.LCEgroup.co.uk) or call in to meet the experts at your local LCE

**recycle your old DSLR TODAY!**

and offset the value against your new DSLR purchase.

Your old camera may be worth more than you think when you trade up to the latest Digital SLRs at londoncameraexchange.

**Call in for a quote!**

all our used stock online now at:

**[www.LCEgroup.co.uk](http://www.LCEgroup.co.uk)**

or follow us on: **twitter**



## Digital Photography

[illegible]

## Canon Autofocus

CANON EOS VHS BODY	MINT BOXED	\$699.00
CANON EOS VHS BODY	MINT BOXED	\$645.00
CANON EOS VHS BODY	MINT BOXED	\$599.00
CANON EOS VHS BODY	MINT BOXED	\$475.00
CANON EOS 3 BODY	MINT	\$95.00
CANON EOS 3 BODY	EXC+++ BBOX	\$100.00
CANON EOS 35 BODY	MINT	\$39.00
CANON EOS 35 BODY	MINT	\$49.00
CANON EOS 35 BODY (PELICUL MIRROR)	MINT	\$110.00
CANON 20 35mm 3.5 USM + HOOD	MINT AS NEW	\$599.00
CANON 10 35mm 3.5 USM + (SUPER) LENS	MINT	CASED
CANON 10 35mm 2.8 USM + NK (SUPER) LENS	MINT BOXED AS NEW	\$999.00
CANON 17 40mm 1.4 USM 1 + HOOD + CASE	MINT BOXED AS NEW	\$339.00
CANON 24 35mm 1.8 USM + HOOD + STABILIZER	MINT BOXED AS NEW	\$599.00
CANON 28 35mm 1.8 USM + HOOD + STABILIZER	MINT BOXED AS NEW	\$799.00
CANON 28 35mm 3.5 USM 1.5 USM 1	MINT CASED	\$71.66
CANON 28 35mm 1.8 USM 1.5 USM 1	MINT CASED	\$79.00
CANON 27 20mm 1.4 USM 1.5 USM 1	MINT CASED	\$825.00
CANON 28 35mm 1.8 USM 1.5 USM 1 (SUPER)	MINT BOXED AS NEW	\$799.00
CANON 35mm 2.8 USM 1.5 USM 1 (TOTALY AS NEW)	MINT BOXED	\$71.66
CANON 30mm 2.8 USM MACRO	MINT BOXED AS NEW	\$379.00
CANON 30mm 3.5 USM 1.5 USM 1 MACRO + HOOD	MINT BOXED	\$999.00
CANON 30mm 3.5 USM 1.5 USM 1 + HOOD	MINT BOXED AS NEW	\$599.00
CANON 30mm 1.4 USM 1.5 USM 1	MINT CASED	\$79.00
CANON 30mm 1.4 USM 1.5 USM 1 (MADE STABILIZER)	MINT	\$369.00
CANON 30mm 1.4 USM 1.5 USM 1 (MADE STABILIZER, LATEST)	MINT FLT CASED	\$3.99
CANON 30mm 1.4 USM 1.5 USM 1 (MADE STABLE, LATEST)	MINT FLT FLT CASED	\$99.00
CANON 30mm 2.8 USM	MINT BOXED	\$499.00
CANON 24mm 2.8 EF	MINT	\$299.00
CANON 24mm 2.8 EF	MINT	\$266.00
CANON 27 35mm 1.8 USM 1.5 USM 1 (MADE STABILIZER)	MINT	\$299.00
CANON 28 35mm 1.8 USM 1.5 USM 1 (MADE STABILIZING)	MINT	\$299.00
CANON 20 35mm 3.5 USM 1 USM	MINT BOXED AS NEW	\$179.00
CANON 20 35mm 3.5 USM 1 USM	MINT	\$199.00
CANON 28 35mm 3.5 USM 1 USM	MINT	\$399.00
CANON 28 35mm 3.5 USM 1 USM + HOOD	MINT	\$799.00
CANON 28 35mm 3.5 USM 1 USM (MADE STABILIZER)	MINT BOXED	\$285.00
CANON 28 20mm 3.5 USM 1 USM (UNUSED)	MINT BOXED AS NEW	\$289.00
CANON 28 35mm 1.8 USM 1.5 USM 1 (MADE STABILIZER)	MINT	\$349.00
CANON 28 35mm 1.8 USM 1.5 USM 1 (MADE STABILIZER)	MINT BOXED	\$1349.00
CANON 27 30mm 1.4 USM 1.5 USM 1 (MADE STABILIZER)	MINT BOXED AS NEW	\$1719.00
CANON 27 30mm 1.4 USM 1.5 USM 1	MINT	\$219.00
CANON 27 30mm 1.4 USM 1.5 USM 1	MINT BOXED AS NEW	\$1199.00
CANON EF 2.8 EXTENDER MK II (LATEST)	MINT BOXED AS NEW	\$119.00
CANON EF 2.8 EXTENDER MK II (LATEST)	MINT BOXED AS NEW	\$219.00
CANON EF 2.8 EXTENDER	MINT BOXED	\$219.00
CANON EXTENSION TUBE EF 2 MM	MINT BOXED	\$99.00
CANON EF 2.8 EXTENDER MK II	MINT BOXED AS NEW	\$179.00
CANON ANGLE FINDER C	MINT BOXED AS NEW	\$149.00
CANON ANGLE FINDER C	MINT	\$99.00
CANON PB 2.8 BOOSTER FOR EOS VIDEOS etc	MINT	\$99.00
CANON 540 FZ FLASH + INST	MINT CASED	\$179.00
CANON 540 FZ FLASH + INST	MINT FZ CASED	\$99.00
CANON 540 FZ FLASH	MINT CASED	\$79.00
CANON MJ3 MACRO RINGFLASH	MINT	\$129.00
CANON 2.8 BONG REMOTE CONTROLLER	MINT BOXED	\$999.00
CANON PB 2.8 REMOTE CONTROLLER	MINT	\$179.00
CANON L23 TRANSMITTER AND RECEIVER	MINT	\$179.00
CANON L24 TRANSMITTER AND RECEIVER	MINT	\$225.00
CANON L25 WIRELESS REMOTE CONTROLLER SET	MINT BOXED AS NEW	\$279.00
SIEMA 1.4 EX DG AUTO TELECONVERTER	MINT BOXED	\$199.00
SIEMA 20mm 1.8 EX DG ASPHERIC FR. LATEST	MINT	\$999.00
SIEMA 20mm 1.8 EX DG ASPHERIC FR. LATEST	MINT	\$299.00
SIEMA 30mm 1.4 EX DG LATEST UNUSED	MINT BOXED	\$279.00
SIEMA 30mm 1.4 EX DG HSM LATEST	MINT	\$319.00
SIEMA 30mm 1.4 EX DG HSM (PERSON)	MINT BOXED	\$219.00
SIEMA 30mm 1.4 EX DG HSM (PERSON)	MINT BOXED	\$219.00
SIEMA 27 24mm 1.4 USM 1.5 USM 1 (LATEST)	MINT BOXED AS NEW	\$469.00
SIEMA 27 24mm 1.4 USM 1.5 USM 1 (LATEST)	MINT	\$299.00
SIEMA 27 24mm 1.4 USM 1.5 USM 1 (LATEST)	MINT CASED	\$799.00

## Contax 'G' Compacts & SLR

CONTAX 28mm f2.8 BOGOM 10"	MINT CASED \$175.00
CONTAX 50mm f2.8 BOGOM 10"	MINT BOXED \$180.00
CONTAX 35 - 70mm 5.5,5.5 f WARIO SONNAR T	MINT \$370.00
CONTAX 35 - 70mm 5.5,5.5 f WARIO SONNAR T	MINT BOXED \$455.00
CONTAX LA 140 FLASH	MINT CASED \$460.00
CONTAX LA 120 FLASH	MINT CASED \$560.00
CONTAX LA 200 FLASH	MINT CASED \$560.00
CONTAX LEATHER E-C LONG FRONT COVER "G"	MINT - \$750.00
CONTAX E-C SHORT/LONG FRONT COVER "G"	MINT - \$560.00
CONTAX TITANIUM HOODS, FILTERS, ETC. "G"	MINT BOXED PHONE, PLEASE
CONTAX TITANIUM HOODS, FILTERS, ETC. "G"	CALL FOR PRICES
CONTAX ST BODY	EXC++ \$1150.00
CONTAX RTS11 QUARTZ BODY	EXC+ \$1150.00
CONTAX FIT F14 SPARK 28mm f2.8 SUPERS CONDITION	MINT \$1150.00
CONTAX 45mm f2.8 TESSAR	MINT \$1150.00
CONTAX 200mm f5.5 TESS T5" V	MINT \$190.00
CONTAX 28 - 70mm 5.5,5.5 f WARIO SONNAR T VM	MINT CASED \$280.00
CONTAX 28 - 85mm f3.4 VAR SON	MINT CASED \$380.00
CONTAX LA 20 FLASH	EXC++ \$280.00
CONTAX LA 30 FLASH	MINT CASED \$280.00

### Leica "M", "R" & Screw & Binoculars

[illegible]

### Voigtlander & Ricoh & Compacts

VOIGTLANDER BESSA R2a BLACK BODY	MINT BOXED AS NEW	\$499.00
VOIGTLANDER BESSA L BODY CHROME		MINT \$399.00
VOIGTLANDER BESSA T BODY		MINT BOXED \$195.00
VOIGTLANDER 15mm f4.5 SW HELJAR ASP + FDR (B)		MINT BOXED AS NEW \$349.00
VOIGTLANDER 35mm f2 COL SKOP W/ PL UH + FILTER		MINT BOXED AS NEW \$125.00
VOIGTLANDER 25mm f4 SKOPAR + FINDER SIL		MINT BOXED \$295.00
VOIGTLANDER 35mm f2 COL SKOP BLACK		MINT \$179.00
VOIGTLANDER 30mm f3.5 APO LITMAR (BLK)		MINT BOXED \$245.00
RICH GX-1 21mm/28mm FINDER FITS ALL RFIND CAMS		MINT \$75.00
RICH GR1 DATE BODY PRESENTATION BOX		MINT BOXED \$199.00
RICH GR10 FL M COMPACT		MINT \$99.00

### Medium & Large Format

[illegible]

## Hasselblad

**HASSELBLOD**

- HASSELBLOD X PM + 45mm + ALL ACCESSORIES
- HASSELBLOD 80mm H FOR X PM
- HASSELBLOD 80mm H FOR X PM
- HASSELBLOD CENTRE FILTER FOR X PM 45mm
- HASSELBLOD UV - SKY FILTER FOR X PM 45/80
- HASSELBLOD H UPGRADE + FOR MAG. 80mm
- HASSELBLOD 55mm HC F2.8 for H SYSTEM
- HASSELBLOD 55mm HC F2.8 for H SYSTEM
- HASSELBLOD 210mm F4HC for H SYSTEM
- HASSELBLOD HC 40 - 110 F5.6 for H SYSTEM
- HASSELBLOD 503 CW WITH 105/60K + 80mm CF
- HASSELBLOD 500mm - WLF + 80mm CF
- HASSELBLOD 300ELEM + 42 - 80mm F2.2
- HASSELBLOD 400mm + 42 - 80mm F2.2
- HASSELBLOD 400mm 45M DISTAGON CF
- HASSELBLOD 150mm H 50NOMAR CF
- HASSELBLOD 250mm 50NOMAR CF
- HASSELBLOD PLAIN PRISM
- HASSELBLOD PLEVS PRISM
- HASSELBLOD PM PRISM
- HASSELBLOD PLAIN BLACK AND SILVER
- HASSELBLOD PLAIN BLACK AND SILVER

**Konica / Minolta / Sony / Meters**

MINOLTA 75 - 300mm 14.5/5.6 A/F "D" .....	MINT BOXED AS NEW £125.00
KONICA HEXAR RF + 50mm f2 + KONICA FLASH .....	MINT BOXED AS NEW £895.00
MINOLTA TC 1 TITANIUM COMPACT .....	MINT BOXED £495.00

## Nikon Auto-Focus

[illegible]

## Nikon Manual

[illegible]

## Olympus Manual

OLYMPUS OM11 BODY CHROME	MINT	\$118.00
OLYMPUS 28mm 1:2.8 ZUIKO + HOOD	MINT CAGED 75.00	\$137.00
OLYMPUS 28mm 1:3.5 ZUIKO	MINT	\$49.00
OLYMPUS 50mm 1:2.8 ZUIKO	MINT	\$29.00
OLYMPUS 50mm 1:3.5 MACRO	MINT CAGED 159.00	
VOIGTLANDER 75mm 1:2.5 COHEL H HOOD	MINT BOXED 199.00	
OLYMPUS 85mm 1:4 MACRO + ZUICO 22MM TUBE	MINT	\$275.00
OLYMPUS 107mm 1:6.8 ZUICO	MINT CAGED 75.00	\$157.00
OLYMPUS 107mm 1:5.6 ZUICO	MINT	\$89.00
OLYMPUS 135mm 1:4.5 ZUICO	MINT BOXED 75.00	
OLYMPUS 200mm 1:4 ZUICO	EXC++	\$35.00
OLYMPUS 1000mm 1:8 ZUICO TELE (RARE)	MINT CAGED 1895.00	
OLYMPUS 35-70mm 1:2.8 ZUICO	MINT	\$69.00
OLYMPUS 45-100mm 1:2.8 ZUICO	MINT	\$49.00
OLYMPUS 75-150mm 1:5.6 ZUICO	MINT	\$79.00
OLYMPUS CONVERTER A	MINT	\$59.00
OLYMPUS WINDER 1	MINT BOXED 135.00	
	EXC++	\$55.00
OLYMPUS 110 RING FLASH & CONTROLLER	EXC++	\$69.00
OLYMPUS 120 FLASH	MINT CAGED 120.00	
OLYMPUS P280 FLASH	MINT BOXED 425.00	
OLYMPUS P280 FLASH	MINT BOXED 475.00	
	EXC++	\$179.00
OLYMPUS EXTENSION TUBES 17mm 14mm 25mm	MINT	\$9.00

**wanted...**

We urgently require your used photographic equipment. We have customers waiting for: Nikon, Canon, Leica, Contax, Bronica, Hasselblad and most other makes of camera lenses, accessories, binoculars and collectables.

We will buy for cash from you, or we are happy to sell on your behalf on a commission basis. Best prices paid. We can arrange collection and even call and collect and pay on the spot if necessary anywhere in the UK.

Visitors are welcome, please phone for an appointment. PO Box 1052, Cottenham, Cambridge, CB4 8WU

**Fax: 01954 252 352 email: [sales@camtechuk.com](mailto:sales@camtechuk.com)**

**Canon** **Leica** **Nikon**



# JACOBS

## DIGITAL PHOTO & VIDEO

**THE UK'S LARGEST INDEPENDENT PHOTOGRAPHIC RETAILER!**

**JACOBS**  
HIRE SERVICE

To view the list of products available for hire, please visit  
[www.jacobsdigital.co.uk/hire](http://www.jacobsdigital.co.uk/hire)  
Can't find what you are looking for? Email us & we'll try to help  
[hire@jacobs-photo.co.uk](mailto:hire@jacobs-photo.co.uk)

**JACOBS HIRE SERVICE - TRY BEFORE YOU BUY!**

Rental facilities for • Canon • Nikon • Quantum

The opportunity to try before you buy, or back up & add to your set up. If you decide to buy the item, we'll subtract the hire cost from the purchase price. Further to this, if you are a Pro and a vital piece of equipment gets broken, give us a call and we'll offer you the product for hire, while yours is being repaired. T&C's apply.



**WE ARE CONSTANTLY UPDATING OUR PRICES!**  
**PLEASE CALL OR VISIT OUR WEBSITE FOR THE LATEST COMPETITIVE PRICE**



**Canon**  
EOS 1000D  
**10.1**  
MEGAPIXELS

**Body Only** £319.99  
**Inc. 18-55mm** £369.00

**KEY ACCESSORIES**  
Canon LP-E5 Battery.....£49.99  
Canon BG-E5 Grip.....£119.99  
Canon 60-E3 Remote Switch.....£29.99



**Canon**  
EOS 500D  
**15.1**  
MEGAPIXELS

**Body Only** £529.99  
**Inc. 18-55mm IS** £590.00

**KEY ACCESSORIES**  
Canon LP-E5 Battery.....£49.99  
Canon BG-E5 Grip.....£119.99  
Canon 60-E3 Remote Switch.....£29.99



**Canon**  
EOS 550D  
**18.0**  
MEGAPIXELS

**EOS 550D Body Only** £643.00  
**EOS 550D inc. 18-55mm IS** £709.99  
**EOS 550D inc. 18-135mm IS** £899.99

**KEY ACCESSORIES**  
Canon LP-E8 Battery.....£49.99  
Canon BG-E8 Grip.....£149.99  
Hama 60-E3 Remote Switch.....£20.99



**Canon**  
EOS 50D  
**15.1**  
MEGAPIXELS

**Body Only** £689.00  
**Inc. 17-85mm IS** £979.00  
**Inc. 18-200mm IS** £999.00

**KEY ACCESSORIES**  
Canon BP-S11A Battery.....£99.99  
Canon BG-E2N Grip.....£149.99  
Canon 80-N3 Remote Switch.....£45.99



**Canon**  
EOS 7D  
**18.0**  
MEGAPIXELS

**Body Only** £1249.00  
**Inc. 18-135mm** £1462.00

**KEY ACCESSORIES**  
Canon LP-E6 Battery.....£79.99  
Canon BG-E7 Grip.....£149.99  
Canon WFT-E5B Transmitter.....£449.99



**Canon EOS Professional**  
EOS 5D MkII  
**21.1**  
MEGAPIXELS

**EOS 5D MkII Body Only** £1694.99  
**EOS 5D MkII inc. 24-70mm** £2598.00  
**EOS 5D MkII inc. 24-105mm L IS USM** £2327.00

**KEY ACCESSORIES**  
Canon LP-E6 Battery.....£229.99  
Canon BG-E6 Grip.....£49.99  
Canon 80-N3 Remote Switch.....£45.99



**EOS 1D MkIV**  
**16.1**  
MEGAPIXELS

**Body Only** £3723.00

**KEY ACCESSORIES**  
Canon LP-E4 Battery.....£129.99  
Canon WFT-E2 II Transmitter.....£599.99  
Canon 80-N3 Remote Switch.....£45.99



**EOS 1Ds MkIII**  
**21.1**  
MEGAPIXELS

**Body Only** £5199.00

**KEY ACCESSORIES**  
Canon LP-E4 Battery.....£129.99  
Canon WFT-E2 II Transmitter.....£599.99  
Canon 80-N3 Remote Switch.....£45.99

CANON EF LENSES (USM - Ultra fast near silent operation. IS - Image Stabiliser to reduce camera shake. L - All weather professional lens with ultimate performance)			
EF 16-35mm f4 L IS USM	£1199.99	EF 28mm f2.8	£169.99
EF 17-40mm f4 L IS USM	£639.00	EF 35mm f1.4 L IS USM	£1179.99
EF 24-105mm f2.8 L IS USM	£939.00	EF 35mm f2	£229.99
EF 24-70mm f2.8 L IS USM	£1021.99	EF 50mm f1.8 II	£94.00
EF 28-135mm f3.5-5.6 L IS USM	£371.99	EF 50mm f1.4 USM	£299.00
EF 28-200mm f3.5-5.6 L IS USM	£299.97	EF 50mm f1.2 L IS USM	£1306.99
EF 28-300mm f3.5-5.6 L IS USM	£2259.00	EF 85mm f1.8 USM	£319.99
EF 55-200mm f4.5-5.6 L IS USM II	£245.99	EF 85mm f1.2 L IS USM II	£1827.99
EF 70-200mm f4 L IS USM	£919.99	EF 100mm f2 USM	£387.99
EF 70-300mm f4-5.6 L IS USM	£478.99	EF 135mm f2 L USM	£933.99
EF 70-300mm f4.5-5.6 DO IS USM	£1136.99	EF 200mm f2 L IS USM	£4954.99
EF 75-300mm f4-5.6 L IS USM III	£249.00	EF 200mm f2.8 L IS USM II	£652.99
EF 100-400mm f4.5-5.6 L IS USM	£1269.00	EF 300mm f2.8 L IS USM	£3884.00
EF 14mm f2.8 L IS USM II	£1799.99	EF 300mm f4 L IS USM	£1173.99
EF 15mm f2.8 Fisheye	£619.99	EF 400mm f2.8 L IS USM	£6665.00
EF 20mm f2.8 USM	£422.99	EF 400mm f4 DO IS USM	£5589.00
EF 24mm f1.4 L IS USM IS	£1379.99	EF 400mm f5.6 L USM	£1122.99
EF 24mm f2.8	£382.99	EF 500mm f4 L IS USM	£5398.99
EF 28mm f1.8 USM	£385.00	EF 600mm f4 L IS USM	£7406.99
		EF 800mm f5.6 L IS USM	£10,199.
		EF 100mm Macro	£117.99
		EF 100mm f2.8 L Macro USM	£1278.00
		EF 100mm f2.8 L Macro IS USM	£2043.99
		EF 100mm f2.8 L Macro IS USM	£1839.99
		EF 100mm f2.8 L Macro IS USM	£117.99
		EF 100mm f2.8 L Macro IS USM	£1139.99
		EF 100mm f2.8 L Macro IS USM	£289.00
		EF 100mm f2.8 L Macro IS USM	£289.00

CANON SPEEDLITES			
270EX Speedlite	£107.99	430EXII Speedlite	£214.00
580EXII Speedlite	£374.00	MRI4EX MacroLite	£489.00
MT24EX MacroLite	£799.00		

GRIPS FLASH ACCESSORIES	
Canon OC-E3 Off Camera Shoe Cord.....	£59.99
Canon STE-2 Signal Transmitter.....	£179.99
Canon SB-E2 Flash Unit Bracket.....	£229.99
STOFEN OMNI BOUNCE FLASH DIFFUSER	
OM-EW (430EX).....	£17.99
OM-EY (580EX).....	£17.99
OM-24X (MT24EX).....	£25.99
MARUMI RING FLASH	
DRF 14C.....	£132.99
NISSIN FLASH	
Di866.....	£259.99
Di622.....	£119.99

CANON ACCESSORIES	
BATTERY GRIPS	
EOS 500D/450D/1000D	
Canon BG-E5.....	£119.99
EOS 50D	
Canon BG-E2N.....	£149.99
EOS 5D MKII	
Canon BG-E6.....	£229.99
EOS 7D	
Canon BG-E7.....	£149.99
EOS 550D	
Canon BG-E8.....	£149.99
BATTERIES	
EOS 500D/450D/1000D	
Canon LP-E5.....	£49.99
Energizer LP-E5.....	£29.99
Hahnel LP-E5.....	£29.99
EOS 550D	
Canon LP-E8.....	£49.99
EOS 50D	
Canon BP-S11A.....	£99.99
Energizer BP-S11.....	£29.99
Hahnel BP-S11.....	£29.99
EOS 5D MKII/7D	
Canon LP-E6.....	£79.99
Hahnel LP-E6.....	£59.99
EOS 1Ds MKIII/1D MKIV	
Canon LP-E4.....	£129.99
HAHNEL PRO WIRELESS	
Hahnel Wireless Remote (EOS).....	£48.99
WIRELESS	
EOS 1D MKIV/1D MKIII	
Canon WFT-E2 II.....	£599.99
EOS 50D	
Canon WFT-E3.....	£799.99
EOS 5D MKII	
Canon WFT-E4.....	£749.99
EOS 7D	
Canon WFT-E5.....	£449.99
WIRED/IR	
EOS 1D/1Ds/5D MKII/50D	
Canon Remote Switch 80N3.....	£45.99
Hama Remote Switch 80N3.....	£29.99
Canon Remote Switch TC80N3.....	£149.99
EOS 500D/550D/1000D	
Canon Remote Switch 60E3.....	£29.99
Hama Remote Switch 60E3.....	£20.99
Canon Remote Control IR RC5.....	£19.97
PocketWizard	
Flex TT5 (EOS).....	£229.99
Mini TT1 (EOS).....	£209.99
QUANTUM	
FreeWire	
Canon TTL Adapter.....	£81.99



**ORDER HOTLINE**  
0845 600 6055  
www.jacobsdigital.co.uk

**JACOBS**  
DIGITAL PHOTO & VIDEO  
THE UK'S LARGEST INDEPENDENT  
PHOTOGRAPHIC RETAILER!

**PROFESSIONAL**  
Nikon Dealer

**WE ARE CONSTANTLY UPDATING OUR PRICES!**  
PLEASE CALL OR VISIT OUR WEBSITE FOR THE LATEST COMPETITIVE PRICE



**Nikon**  
D3000  
EXPEED  
3 YEAR WARRANTY  
10.2 MEGAPIXELS

**Body Only £299.00**  
**Inc. 18-55mmVR £345.00**

**KEY ACCESSORIES**

Nikon EN-EL9a Battery.....£55.99  
Nikon ML-L3 Remote Control.....£19.99  
Nikon EH-5AC Adaptor.....£99.99



**Nikon**  
D5000  
2009 AWARDS TIPA  
12.3 MEGAPIXELS

**D5000 Body Only £469.99**  
**D5000 inc. 18-55mmVR £499.00**  
**D5000 inc. 18-55 & 55-200mmVR £699.99**

**KEY ACCESSORIES**

Nikon EN-EL9a Battery.....£55.99  
Nikon MC-DC2 Remote Cord.....£26.99  
Nikon DK-24 Eyecup.....£5.99



**Nikon**  
D300S  
EXPEED  
3 YEAR WARRANTY  
12.3 MEGAPIXELS

**D300S Body Only £1139.00**

**KEY ACCESSORIES**

Nikon EN-EL3e Battery.....£66.99  
Nikon MB-D10 Grip.....£249.99  
Nikon EH-5AC Adaptor.....£99.99



**Nikon**  
D90  
EXPEED  
3 YEAR WARRANTY  
12.3 MEGAPIXELS

**Body Only £628.00**  
**Inc. 18-105mm £779.00**

**KEY ACCESSORIES**

Nikon EN-EL3e Battery.....£66.99  
Nikon MB-D80 Grip.....£149.99  
Nikon ML-L3 Remote Control.....£19.99



**Nikon Professional**  
D700  
FREE MB-10 GRIP  
ENDS 31/8/10  
SEE WEB  
12.1 MEGAPIXELS  
3 YEAR WARRANTY

**Body Only £1764.00**

**KEY ACCESSORIES**

Nikon EN-EL3e Battery.....£66.99  
Nikon MB-D10 Grip.....£249.99  
Nikon WT4 Transmitter.....£599.97



**Nikon**  
D3S  
2010 AWARDS TIPA  
12.1 MEGAPIXELS  
3 YEAR WARRANTY

**D3S Body Only £3589.00**

**KEY ACCESSORIES**

Nikon EN-EL4a Battery.....£119.99  
Nikon EH-6AC Adaptor.....£99.99  
Nikon WT4 Transmitter.....£599.97



**Nikon**  
D3X  
2009 AWARDS TIPA  
24.5 MEGAPIXELS  
3 YEAR WARRANTY

**Body Only £4798.00**

**KEY ACCESSORIES**

Nikon EN-EL4a Battery.....£119.99  
Nikon EH-6AC Adaptor.....£99.99  
Nikon WT4 Transmitter.....£599.97

**NIKON ACCESSORIES**

**GRIPS**

**D80/ D90**  
Nikon MB-D80.....£149.99  
Hahnel MB-D80.....£99.99  
**D300/D300s/D700**  
Nikon MB-D10.....£249.99  
Hahnel MB-D300.....£129.99



**BATTERIES**

**D60/ D5000**  
Nikon EN-EL9a.....£55.99  
Energizer EN-EL9.....£39.99  
Hahnel EN-EL9.....£39.99  
**D90/D300/D300s/D700**  
Nikon EN-EL3e.....£66.99  
Energizer EN-EL3e.....£40.99  
Hahnel EN-EL3e.....£40.99

**D3/D3x**  
Nikon EN-EL4a.....£119.99

**WIRELESS**

**D300/D700/D3/D3x**  
Nikon WT-4.....£599.97

**HAHNEL PRO WIRELESS**

Hahnel Wireless Remote (NIK).....£48.99

**WIRED/ IR**

**D300/D700/D3**  
Nikon Remote Cord MC-30.....£59.99  
Hama Remote Cord MC30.....£40.99  
**D90/D5000**  
Nikon Remote Cord MC-DC2.....£129.99  
**D80/D700s**  
Hama Remote Cord MC-DC1.....£20.99  
**D40/D60**  
Nikon Remote Control ML-L3 IR.....£19.99

**QUANTUM**

FreeXWire  
Nikon TTL  
Adapter  
.....£66.99  
Fire flash units & cameras up to  
hundreds of feet  
away.

**NIKON SPEEDLITES**



**SB400 Speedlite**  
**£127.99**



**SB600 Speedlite**  
**£229.00**



**SB900 Speedlite**  
**£325.99**

**NISSIN SPEEDLITES**



**Di622 Speedlite**  
**£119.99**



**Di866 Speedlite**  
**£259.99**

**FLASH ACCESSORIES**

Nikon SB Commander Kit R1C1.....£599.99  
Nikon SB Remote Kit R1.....£408.99  
Nikon AS19 Stand for Nikon SB800.....£6.99  
Quantum CKE for Nikon SB28.....£45.99

**STOFEN OMNI BOUNCE FLASH DIFFUSER**

OM-SB5 (SB800).....£17.99  
OM-600 (SB600).....£17.99

**MARUMI RING FLASH**

DRF 14N.....£132.99

**NIKON LENSES**

(DX - for Nikon DX SLR's. VR - Reduces image blur. AF-S - Lightening quick with whisper quiet focusing. ED - Helps reduce chromatic aberration)					
14-24mm f2.8 AF-S G ED	£1296.99	50mm f1.4 D	£229.00	12-24mm f4 DX G IF	£812.99
18-35mm f3.5-4.5 D IF-ED	£505.99	50mm f1.4 G AF-S	£299.99	16-85mm f3.5-5.6 DX G AF-S VR	£444.00
24-85mm f2.8-4 D IF	£520.99	85mm f1.4 D	£887.99	17-55mm f2.8 DX AF-S IF-ED	£1049.99
24-120mm f3.5-5.6 G AF-S VR	£541.99	85mm f1.8 D	£305.99	18-105mm f3.5-5.6 DX G VR ED	£245.99
24-70mm f2.8 G AF-S ED	£1190.00	105mm f2 D DC	£806.99	18-200mm f3.5-5.6 DXGAF-S VR II IF-ED	£579.00
70-200mm f2.8 G AF-S VR II IF-ED	£1647.00	135mm f2 D DC	£959.99	55-200mm f4-5.6 DX AF-S VR IF-ED	£249.00
70-300mm f3.5-5.6 G AF-S VR IF-ED	£419.00	180mm f2.8 D IF-ED	£622.99	55-200mm f4-5.6 DX AF-S ED	£182.99
80-400mm f4.5-5.6 D VR ED	£1169.99	200mm f2 G AF-S VR IF-ED	£3114.99	200-400mm f4G IF-ED AF-S VR NEW!	£4729.99
200-400mm f4 G AF-S VR IF-ED II	£6249.99	300mm f2.8 AF-S VR IF-ED II	£4299.00	60mm f2.8 G AF-S ED Micro	£398.99
14mm f2.8 D ED	£1199.99	300mm f4 D AF-S IF-ED	£698.99	85mm f3.5 G AF-S DX Micro	£449.99
16mm f2.8 D Fisheye	£598.99	400mm f2.8 G AF-S VR ED	£6499.00	105mm f2.8 G AF-S VR IF-ED Micro	£614.99
20mm f2.8 D	£463.99	500mm f4 G AF-S VR ED	£5742.99	200mm f4 IF-ED Micro	£1112.99
24mm f2.8 D	£331.99	600mm f4 G AF-S VR ED	£6927.99	PC-E 24mm f3.56 D ED	£1373.99
28mm f2.8 D	£218.99	10.5mm f2.8 DX G ED	£521.99	PC-E 45mm f2.8 D ED	£1430.99
35mm f2 D	£254.99	35mm f1.8 DX G AF-S	£169.00	PC-E 85mm f2.8 D ED	£1379.99
50mm f1.8 D	£107.99	10-24mm f3.5-4.5 DX G AF-S ED	£599.99	TC-14E III Teleconverter	£305.99
				TC-17E II AF-S Teleconverter	£304.99
				TC-20E III Teleconverter	£399.99



# JACOBS

## DIGITAL PHOTO & VIDEO

**THE UK'S LARGEST INDEPENDENT PHOTOGRAPHIC RETAILER!**

**JACOBS**  
PROFESSIONAL



To find out more about Jacobs Pro Lounges please visit:  
[www.jacobsdigital.co.uk/pro](http://www.jacobsdigital.co.uk/pro)

### JACOBS PRO LOUNGES

- London New Oxford Street
- Manchester • Edinburgh

- Dedicated city centre locations for photographers to relax • Tea/ Coffee
- FREE Ethernet & wireless connectivity for image transmission
- Exclusive demo days & launch events • Studio facilities • Rental facilities

**SONY**

16mm f2.8 Fisheye	£579.99
28mm f2.8	£449.99
35mm f1.4G	£189.99
50mm f1.8	£1099.99
50mm f1.4	£139.99
50mm f2.8 Macro	£229.99
100mm f2.8 Macro	£429.99
11-18mm f4.5-5.6 DT	£529.99
16-105mm f3.5-5.6 DT	£499.99
18-200mm f3.5-5.6 DT	£449.99
18-250mm f3.5-5.6 DT	£429.97
55-200mm f4.5-5.6 DT	£449.99
70-200mm f2.8 G	£162.99
70-300mm f4.5-5.6 SSM G	£1475.99
75-300mm	£699.99
75-300mm	£199.99

**2010 AWARDS TIPA**

28-75mm f2.8 SAM £599.99

**2009 AWARDS TIPA**

70-400mm f4.5-6 SSM £1299.99

**SONY**  
Alpha A230

**10.2 MEGAPIXELS**

**Inc. 18-55mm & 55-200mm £399.99**

**KEY ACCESSORIES**

Sony NP FH-50 Battery.....£61.99  
Hama Remote Switch.....£25.99  
Sony FASTIAM Adapter.....£153.99

**SONY**  
Alpha A380

**14.2 MEGAPIXELS**

**Inc. 18-55mm & 55-200mm £599.97**

**KEY ACCESSORIES**

Sony NP FH-50 Battery.....£61.99  
Hama Remote Switch.....£25.99  
Sony FASTIAM Adapter.....£153.99

**PENTAX**

**PENTAX LENSES**

10-17mm f3.5-4.5 DA Fisheye	£428.98
12-24mm f4 DA	£794.98
16-50mm f2.8 ED AIF SDM	£693.99
17-70mm f4 SDM DA	£464.98
50-200mm f4-5.6 ED DA	£229.99
55-300mm f4-5.8 ED DA	£269.99
14mm f2.8 DA ED IF	£539.00
50mm f2.8 Macro	£404.99
55mm f1.4 SDM	£649.99
100mm f2.8 Macro	£479.97

**PENTAX FLASH**

Pentax AF200FG.....£179.99  
Pentax AF360FGZ.....£399.99  
Pentax AF540FGZ.....£549.99

**PENTAX**  
K-x

**2010 AWARDS TIPA**

**12.4 MEGAPIXELS**

**Inc. 18-55mm £428.00**

**Inc. 18-55 & 55-300mm £568.00**

**KEY ACCESSORIES**

Energizer AA Batteries.....£7.99  
Pentax Remote Control F.....£21.99

**PENTAX**  
K-7

**2010 AWARDS TIPA**

**14.6 MEGAPIXELS**

**Inc. 18-55mm £829.00**

**Inc. 18-55 & 50-200mm £929.00**

**KEY ACCESSORIES**

Pentax DL90 Battery.....£64.99  
Pentax D-BG4 Grip.....£249.99  
Pentax Remote Control F.....£21.99

**COMPACT SYSTEM CAMERAS** Smaller than a DSLR but more powerful & Creative than a compact.

**SONY ALPHA NEX-3**

**NEW!**

**SONY ALPHA NEX AVAILABLE IN STORE ONLY**

**Inc. 16mm £449.00**

**Inc. 18-55mm £489.00**

**Inc. 16 & 18-55 £579.00**

**KEY ACCESSORIES**

Sony NP-FW50 Battery.....£59.99  
Sony Case.....£52.99  
Sony Fisheye Converter.....£124.99

**SONY ALPHA NEX-5**

**Inc. 16mm £549.00**

**Inc. 18-55mm £589.00**

**Inc. 18-200mm £999.00**

**KEY ACCESSORIES**

Sony NP-FW50 Battery.....£59.99  
Sony Case.....£52.99  
Sony Fisheye Converter.....£124.99

**NEX 3 - BLACK, SILVER OR RED**

**NEX 5 - BLACK, OR SILVER**

- Interchangeable Lenses
- Sweep Panorama (3D available in Firmware upgrade)
- HD Video Mode
- 3" Vari Angle LCD Screen
- Includes External Flash

**LEICA**

**M9**

- 18 Megapixels
- 1.5x CCD Sensor
- Rangefinder
- ISO 2500
- 2 fps

**18.0 MEGAPIXELS**

**Body Only Steel Grey or Black £4955.99**

**KEY ACCESSORIES**

Leica Lithium-Ion Battery.....£71.99  
Leica SF24D Flash.....£264.99  
Leica SF58D Flash.....£539.99

**LEICA**

**LEICA LENSES**

21mm f2.8 Elmarit-M ASPH	£2755.99
24mm f2.8 Elmarit-M ASPH	£2525.99
28mm f2.8 Elmarit-M ASPH	£1293.99
35mm f2.0 Summicron-M ASPH	£1862.99
50mm f1.4 Summicron-M ASPH	£2254.99
50mm f2.5 Summicron-M	£887.99
75mm f2.0 Summicron-M ASPH	£2105.99
90mm f2.5 Summicron-M	£1095.99

**SAMSUNG**  
NX10

**14.6 MEGAPIXELS**

**Inc. 18-55mm £489.99**

**Inc. 18-55mm & 50-200mm £599.99**

**KEY ACCESSORIES**

Samsung BP1310 Battery.....£27.99  
Samsung SEF20A Grip.....£105.99  
Samsung SR9NX01 Shutter.....£14.99

**OLYMPUS**

**PEN FLASH SYSTEM**

Olympus FL-14 Flash.....£159.99

**ACCESSORY PORT**

Olympus Viewfinder - 2.....£261.99  
Olympus Viewfinder - 1.....£102.99  
Olympus Microphone Set

**OLYMPUS PEN LENSES**

M ZUIKO Digital ED 9-18mm f4-5.6 £499.97

M ZUIKO Digital ED 14-42mm f3.5-5.6 £224.99

M ZUIKO Digital ED 17mm f2.8 Pancake £296.99

**PEN ADAPTERS**

MMF-1 Adapter £99.99

MF-2 Adapter £149.99

**17mm f2.8 Pancake**

**OLYMPUS**  
E-P1

**2010 AWARDS TIPA**

**12.3 MEGAPIXELS**

**Inc. 14-42mm £499.99**

**KEY ACCESSORIES**

Olympus PS-BLS1 Battery.....£43.99  
Olympus Leather Body Jacket (brown or white leather).....£69.99

**OLYMPUS**  
E-P2

**12.3 MEGAPIXELS**

**Inc. 14-42mm £840.99**

**Inc. 17mm £887.99**

**KEY ACCESSORIES**

Olympus PS-BLS1 Battery.....£43.99  
Olympus Leather Body Jacket.....£69.99

**OLYMPUS**  
E-P1 Inc. 17mm Silver

**SPECIAL OFFER ONLY £399.00! WHILE STOCKS LAST**

**12.3 MEGAPIXELS**

**Inc. 17mm f2.8 Pancake & Viewfinder £399.00**

**HALF PRICE! WAS: £799.99**

**KEY ACCESSORIES**

Olympus PS-BLS1 Battery.....£43.99  
Olympus Leather Body Jacket.....£69.99

**Panasonic**  
PANASONIC LENSES

Claim up to £50 Cashback direct from Panasonic. Valid until 31st August 2010.

7-14mm f4 Vario G ASPH	£949.99*
14-140mm f4.5-5.6 Vario G HD	£669.99*
45-200mm f4.5-5.6 G ASPH	£279.99
20mm f1.7 G ASPH	£279.99
45mm f2.8 ASPH	£614.99*

**PANASONIC FLASH**

Panasonic DMW-FL28.....£102.99  
Panasonic DMW-FL220.....£148.99  
Panasonic DMW-FL360.....£204.99

**Panasonic**  
Lumix G10

**12.1 MEGAPIXELS**

**3 YEAR WARRANTY! ENDS 31/8/10**

**Inc. 14-42mm £459.00**

**KEY ACCESSORIES**

Panasonic DMW-BLB13E Battery.....£64.99  
Panasonic DMW-VF1 View Finder.....£169.99  
Panasonic DMW-FL220 Flashgun.....£148.99

**Panasonic**  
Lumix GF1

**12.1 MEGAPIXELS**

**3 YEAR WARRANTY! ENDS 31/8/10**

**Inc. 20mm £629.00**

**Inc. 14-45mm £549.00**

**KEY ACCESSORIES**

DMW-BLB13E Battery.....£64.99  
DMW-VF1 View Finder.....£169.99  
DMW-FL220 Flashgun.....£148.99

**Panasonic**  
Lumix G2

**2010 AWARDS TIPA**

**12.1 MEGAPIXELS**

**INC. £30 CASHBACK ENDS 31/8/10**

**Inc. 14-42mm £569.00\***

**Inc. 14-42 & 45-200mm £819.00\***

**KEY ACCESSORIES**

DMW-BLB13E Battery.....£64.99  
DMW-VF1 View Finder.....£169.99  
DMW-FL220 Flashgun.....£148.99

**Panasonic**  
Lumix GH1

**2008 AWARDS TIPA**

**12.1 MEGAPIXELS**

**INC. £75 CASHBACK ENDS 31/8/10**

**Inc. 14-140mm £824.00\***

**KEY ACCESSORIES**

DMW-BLB13E Battery.....£64.99  
DMW-VF1 View Finder.....£169.99  
DMW-FL220 Flashgun.....£148.99

\* 3 Year Warranty to be claimed direct from Panasonic. Offer valid on in store purchases only. Valid from 20th May 2010 - 31st August 2010.



#### LENSES (available in different fits)

#### SIGMA

**DC Lenses**  
4.5mm F2.8 EX HSM DC Circ Fisheye £589.99  
10mm F2.8 EX HSM DC £505.99  
30mm F1.4 EX HSM DG £404.99  
10-20mm F4.5-6.3 EX DC HSM ASP IF £399.99  
10-20mm F3.5 EX DC HSM ASP IF £459.99  
17-70mm F2.8-4.5 DC ASP IF £336.99  
18-50mm F3.5-5.6 DC ASP £77.99  
18-50mm F2.8-4.5 DC HSM IF OS £183.99  
18-50mm F2.8 EX DC HSM ASP IF £336.99  
18-125mm F3.8-5.6 DC HSM IF OS £267.99  
18-200mm F3.5-6.3 DC ASP IF £278.99  
18-200mm F3.5-6.3 DC ASP IF OS £302.99  
18-250mm F3.5-6.3 DC ASP IF OS £420.99  
50-150mm F2.8 EX DC HSM APO IF £589.99

#### Prime Lenses

8mm F3.5 EX Circ Fisheye DG £631.99  
15mm F2.8 EX Fisheye DG £505.99  
20mm F1.8 EX DG ASP £505.99  
24mm F1.8 EX DG ASP £420.99  
28mm F1.8 EX DG ASP £336.99  
50mm F1.4 EX DG HSM £379.99  
85mm F1.4 EX DG HSM NEW! £699.99  
300mm F2.8 EX DG HSM £2727.99  
500mm F4.5 EX DG HSM APO IF £3956.99  
500mm F5.6 EX DG HSM APO IF £4209.99

#### Macro

50mm F2.8 EX DG Macro £255.99  
70mm F2.8 EX DG Macro £402.99  
105mm F2.8 EX DG Macro £402.99  
150mm F2.8 EX DG HSM APO IF Macro £589.99  
Teleconverters  
1.4x Converter EX DG APO £247.99  
2x Converter EX DG APO £301.99

#### Zoom Lenses

12-24mm F4.5-5.6 EX DG HSM ASP IF £715.99  
24-70mm F2.8 EX DG HSM ASP IF £449.99  
70-200mm F2.8 EX DG HSM APO IF Macro II £673.99  
70-200mm F2.8 EX DG OS HSM NEW! £1299.99  
70-300mm F4.5-6.3 DG Macro £133.99  
70-300mm F4.5-6.3 DG OS £299.99  
120-300mm F2.8 EX DG HSM APO IF £1852.99  
120-400mm F4.5-6.3 DG HSM APO RF OS £639.99  
150-500mm F5.6-6.3 DG HSM APO RF OS £749.99  
200-500mm F2.8 EX DG HSM APO IF £20,203.  
300-800mm F5.6 EX DG HSM APO IF £5892.99

#### TAMRON

#### Di-II Lenses

10-24mm F3.5-4.5 Di II LD ASP IF £379.99  
17-50mm F2.8 XR Di II VC LD ASP £339.99  
18-200mm F3.5-6.3 XR Di II LD ASP IF £169.00  
18-250mm F3.5-6.3 Di II LD ASP IF £388.99  
18-270mm F3.5-6.3 Di II VC LD ASP IF £399.99  
55-200mm F4.5-6.3 Di II LD £115.00

#### Zoom Lenses

28-75mm F2.8 XR Di LD ASP IF £359.00  
28-300mm F3.5-6.3 XR Di ASP IF £299.00  
28-300mm F3.5-6.3 XR Di VC LD ASP IF £499.99  
70-200mm F2.8 Di LD IF £619.00  
70-300mm F4.5-6.3 Di LD £139.00  
200-500mm F5.6-6.3 Di LD IF £869.00

#### Macro Lenses

60mm F2 Macro Di £389.99  
90mm F2.8 Macro Di £349.00  
180mm F3.5 Macro Di LD £699.00



#### JACOBS LENS CASES

#### Jacobs

Lens Pouch S.....£9.99  
Lens Pouch M.....£11.99  
Lens Pouch L.....£12.99  
Donke  
11" Wrap.....£14.99  
15" Wrap.....£16.99  
19" Wrap.....£18.99

#### LowePro

Lens Case 1.....£15.99  
Lens Case 1M/ 1N.....£19.99  
Lens Case 1S/ 1W.....£14.99  
Lens Case 2/ 2S.....£17.99  
Lens Case 3.....£19.99  
Lens Case 4/ 4S.....£26.99  
Lens Case 5/ 5S.....£44.99

#### Tokina

AF 10-17mm F3.5-4.5 AT-X 107 DX Fisheye £549.99  
AF 11-16mm F2.8 AT-X Pro DX £549.99  
AF 12-24mm F4 AT-X 124 Pro DX £499.99  
AF 12-24mm F4 AT-X 124 Pro DXII £574.99  
AF 16-50mm F2.8 AT-X Pro DX £699.99  
AF 50-135mm F2.8 AT-X S35 Pro DX £649.99  
AF 80-400mm F4.5-5.6 AT-X 840D £649.99  
AF 35mm F2.8 Macro AT-X Pro DX £399.99  
AF 100mm F2.8 Macro AT-X 100 AF Pro D £399.99

#### FILTERS PROTECT YOUR INVESTMENT! Protect your lens from grit and scratches.

#### HOYA

37mm UV HMC.....£19.99  
37mm Circular Polar.....£39.99  
40.5mm UV HMC.....£19.99  
49mm Circular Polar.....£39.99  
49mm UV.....£19.99  
52mm Circular Polar.....£44.99  
52mm UV.....£19.99  
55mm Circular Polar.....£44.99  
55mm UV.....£21.99  
58mm Circular Polar.....£49.99  
58mm UV.....£24.99  
62mm Circular Polar.....£69.99  
62mm UV.....£24.99  
67mm Circ. Polariser.....£79.99  
67mm UV.....£29.99  
72mm Circular Polariser.....£84.99  
72mm UV.....£39.99  
77mm Circ. Polariser.....£99.99  
77mm UV.....£44.99  
82mm Circular Polariser.....£129.99  
82mm UV.....£69.99  
86mm UV.....£69.99

#### Hoya HD

Multi-coated surface with high transparency polarising film. Waterproof to repel water spots and hardened to be scratch & stain resistant.

HD 58mm Protector.....£49.99  
HD 58mm UV.....£49.99  
HD 58mm PL-CIRC.....£109.99  
HD 62mm Protector.....£59.99  
HD 62mm UV.....£59.99  
HD 62mm PL-CIRC.....£109.99  
HD 67mm Protector.....£64.99  
HD 67mm UV.....£64.99  
HD 67mm PL-CIRC.....£134.99  
HD 72mm Protector.....£74.99  
HD 72mm UV.....£74.99  
HD 72mm PL-CIRC.....£169.99  
HD 77mm Protector.....£94.99  
HD 77mm UV.....£94.99  
HD 77mm PL-CIRC.....£199.99  
HD 82mm Protector.....£99.99  
HD 82mm UV.....£99.99

#### Hoya Pro

Revolutionary performance in light transmission & colour balance. Glass just 1mm thick, mounted in a super slim 3mm ring and 12 layers of super multi-coating.

Pro-1D 52mm Protector.....£39.99  
Pro-1D 52mm UV.....£39.99  
Pro-1D 52mm PL-CIRC.....£84.99  
Pro-1D 55mm Protector.....£39.99  
Pro-1D 55mm UV.....£39.99  
Pro-1D 55mm PL-CIRC.....£89.99  
Pro-1D 58mm Protector.....£44.99  
Pro-1D 58mm UV.....£44.99  
Pro-1D 58mm PL-CIRC.....£94.99  
Pro-1D 62mm Protector.....£49.99  
Pro-1D 62mm UV.....£49.99  
Pro-1D 62mm PL-CIRC.....£99.99  
Pro-1D 67mm Protector.....£59.99  
Pro-1D 67mm UV.....£59.99  
Pro-1D 67mm PL-CIRC.....£119.99  
Pro-1D 72mm Protector.....£64.99  
Pro-1D 72mm UV.....£64.99  
Pro-1D 72mm PL-CIRC.....£134.99  
Pro-1D 77mm Protector.....£74.99  
Pro-1D 77mm UV.....£74.99  
Pro-1D 77mm PL-CIRC.....£169.99  
Pro-1D 82mm Protector.....£79.99  
Pro-1D 82mm UV.....£79.99  
Pro-1D 82mm PL-CIRC.....£189.99

#### cokin

#### Cokin P Series

The original square filter system. Cokin P Series filters are designed for shorter focal lengths 20-24mm or 28mm as well as for wide angle zooms (24-50/28-85/35-135mm)

49mm P Adaptor.....£12.99  
52mm P Adaptor.....£12.99  
55mm P Adaptor.....£12.99  
58mm P Adaptor.....£12.99  
62mm P Adaptor.....£12.99  
67mm P Adaptor.....£12.99  
72mm P Adaptor.....£12.99  
77mm P Adaptor.....£12.99  
82mm P Adaptor.....£12.99  
P Holder & Catalogue (BP400).....£12.99  
P Wide Angle Holder.....£14.99  
P Digital SLR Nik Kit H521-67 £38.99  
P255 Modular Hood.....£15.99  
P001 Yellow Filter.....£15.99  
P002 Orange Filter.....£15.99  
P003 Red Filter.....£15.99  
P007 Infrared (89B).....£39.99  
P026 Warm 81A.....£15.99  
P027 Warm 81B.....£15.99  
P056 Star 8.....£24.99  
P120 G1 Gradual.....£21.99  
P121 G2 Gradual.....£21.99  
P121F G2 Gradual Full.....£21.99  
P121L G2 Gradual Light.....£21.99  
P121M G2 Gradual Med.....£21.99  
P121S G2 Gradual Soft.....£21.99  
P122 B1 Gradual.....£21.99  
P123 B2 Gradual.....£21.99  
P124 T1 Gradual.....£21.99  
P125 T2 Gradual.....£21.99  
P152 Neutral Density x2.....£16.99  
P153 Neutral Density x4.....£16.99  
P154 Neutral Density x8.....£16.99  
P164 Circular Polariser.....£84.99  
P197 Sunset 1.....£39.99  
P830/P083 Diffuser 1.....£19.99  
P840/P084 Diffuser 2.....£19.99

#### CLEANING & PROTECTION

#### LENSPEN

Cleaning Pen.....£10.00



#### LENSPEN

Sensor Klear Angled £16.99

Sensor Klear Loupe £51.99



#### VISIBLEDUST

SL700 Arctic Butterfly.....£54.99  
SL724 Arctic Britle Vue.....£84.99  
Sensor Loupe (7x).....£59.99  
Zealor Non Contact Dust Removal.....£34.97  
Mini Swab 1.3x.....£24.97  
Mini Swab 1.6x.....£24.97  
Vdust Plus 7.5ml.....£14.99



#### JACOBS

Air Duster Refill £9.99

Air Duster Valve £9.99



#### JACOBS

LCD Protector £4.99

Microfibre Cloth £4.99



#### JACOBS

Cleaning Kit £9.99

Blower Brush £9.99



#### GIOTTOS

Rocket Air (I) £11.99



#### GIOTTOS

Rocket Air (II) £11.99



#### PROPHOT

Wet Wipes £3.99



#### DELKIN

Sensor Scope Kit £81.99



#### METZ FLASHGUNS

(Most available in Canon, Nikon, Olympus, Panasonic, Sony and Pentax fits)



20 C-2 £39.99  
36 AF-4 £74.99  
48 AF-1 £188.99  
58 AF-1 £278.99

#### POCKETWIZARD WIRELESS

Plus II set.....£369.99  
Plus II Transceiver.....£189.99  
Multimax Transceiver.....£249.99  
PC1 Cable.....£8.99

#### HILDOZINE

Safely secure your pocketwizard with confidence.  
Transceiver Caddy.....£12.99  
Protective Storage Jacket.....£7.99

#### STUDIO LIGHTING

#### Jacobs Studio 160 Lighting Kit £199.99

Includes two 160W Flash Heads, two Lighting Stands, Soft Box, Gold Umbrella Honeycomb, Clear Diffuser, Blue, red and yellow filters, Snoot, IR remote, sync lead and a deluxe studio carrying bag.



#### Bowens 4713 Gemini 200 2 Head Kit

Inc. two Gemini 200Ws, two Bowens 90cm Silver/White Umbrellas, two 120" Wide-Angle Umbrella reflectors and two Bowens support stands. £459.99

#### Bowens 4850 Gemini 500R 3 Head Kit

Includes three Gemini 500Ws, two Bowens 115cm Silver/White Umbrellas, two 120" Wide-Angle Umbrella reflectors, one Softbox and three support stands. £1480.99

Bowens 4820 Gemini 500R Travel Pack Kit £1378.99  
Bowens 4800 Gemini 250R Head Kit £810.99  
Bowens 4800 Gemini 500R Head Kit £949.99

#### Strobes Portrait Kit STR100 £99.99

Lightweight & portable STROBES lighting accessories, ideal for the mobile photographer, indoors or outdoors. Simple to put together using a Flex Mount on your flashgun, no glue, velcro or rubber bands needed! Swap between the Beauty Dish or the Globe Diffuser in seconds



#### Interfit Strobes EFX Kit STR101.....£80.99

#### Interfit Strobes XS Softbox Kit.....£99.99

#### Interfit EX150 MkII Kit

FREE DVD £229.99

Award winning - all you need to get started in the creative world of studio lighting! Includes two Heads, two Lighting Stands, Softbox and Umbrella.

#### Interfit EX150 MkIII Kit

Includes three Heads.....£419.99

#### Interfit EXD200 Kit

All in 1 kit.....£289.99

#### Interfit EXD300 Kit

Softbox umbrella kit.....£469.99

#### Interfit EXD400 Kit

Softbox umbrella kit.....£539.99

#### LASTOLITE LIGHTING ACCESSORIES

#### Ezybalance

1250 30cm.....£18.99

#### Xpobalance

1558 38cm.....£35.99

#### Ezybalance Hotshoe

2438 38x38cm.....£92.99

2462 60x60cm.....£112.99

#### Ezybalance Softboxes

2460 60x60cm.....£122.99

#### Micro Apollo

2201 Micro Apollo 45.....£27.99

2204 Micro Apollo 60.....£30.99

#### TriGrip Reflectors

3631 silver/white 75cm.....£61.99

3636 sunfire/silver 75cm.....£61.99

4806 sunfire/white 120cm.....£74.99

1206 sunfire/white 30cm.....£12.99

1236 sunfire/silver 30cm.....£12.99

3006 sunfire/white 75cm.....£34.99

3731 silver/white Large.....£76.99

3751 one stop diffuser.....£76.99

3223 5-in-1 75cm.....£46.99

3631 Dual duty 80cm.....£25.99

TriFit Kit 3696 75cm 19".....£92.99

#### Reflector Brackets

Trigrip 2430 bracket.....£71.99

Universal 1100 bracket.....£49.99

Pocket 1113 bracket.....£42.99

2402 1113 shoe adapt.....£17.99

#### Background Supports

1108 3m wide.....£148.99

#### Backgrounds

5621 black/white 1.5x1.8m.....£112.99

5602 black velvet 1.5x1.8m.....£112.99

56FM Florida/maine 1.5x1.8m.....£102.99

67FM Florida/maine 1.8x2.15m.....£174.99

6701 black/white 1.8x2.15m.....£204.99

8017 baby poser.....£107.99

#### Hilite Backgrounds

8867 1.8x2.15m.....£318.99

8857 1.5x2.15m.....£266.99

#### Umbrellas

3203 silver 80cm.....£24.99

3207 white satin 80cm.....£17.99

#### ePhotomarket Kit

2484 small.....£51.99

3684 large.....£81.99

Studio Cubelite Kit 8825 70cm.....£461.99



# JACOBS

## DIGITAL PHOTO & VIDEO

**THE UK'S LARGEST INDEPENDENT PHOTOGRAPHIC RETAILER!**

**JACOBS**  
PRE-OWNED EQUIPMENT

To view or download the latest list of pre-owned equipment, please visit  
[www.jacobsdigital.co.uk/used](http://www.jacobsdigital.co.uk/used)

**JACOBS PRE-OWNED EQUIPMENT**  
**0207 436 55 44**

All our pre-owned equipment comes with a 12month warranty.

Brands include: Bronica, Canon, Contax, Fuji, Hasselblad, Leica, Mamiya, Nikon, Pentax, Rollei, Voigtlander & many more.

### MANFROTTO TRIPODS

#### Manfrotto

##### 055X Range

The 055X PROB makes the famous Manfrotto patented horizontal centre column feature even easier to use. By extending the column to its highest vertical position, it can be swung round to horizontal without removing the head or disassembling the column itself.

**055XPROB**  
**£118.99**

#### Manfrotto

##### 190X Range

Featuring a patented design which allows the centre column to be used horizontally as an extending arm, or vertically.

**190XPROB**  
**£88.99\***

**\*INC. £20 CASHBACK FROM MANFROTTO**  
**Valid 1st May - 31st July 2010.**

#### Manfrotto

##### 055CX Range

The 4-section 055CX PRO 4 combines the best performance of the 055 carbon family with lower dimensions. This tripod is compact and light, with the patented Q90 system for quick vertical/horizontal movements.

055CX3 ..... **£243.99**  
055CX PRO3 ..... **£249.99**  
055CX PRO4 ..... **£249.99**

##### 190CX Range

Features an ergonomic leg angle selector. This new angle selector improves the comfort and precision in use. Made of 100% Carbon Fibre, providing rigidity and lightness.

190CX3 ..... **£189.99**  
190CX PRO3 ..... **£239.99**  
190CX PRO4 ..... **£239.99**

##### Modo

The Modo range has been created for those on the move. The Maxi has a max height of 150.5cm, but folds down to 43.5cm and the ultra compact Mini 114.5cm but folds down to 36.5cm.

785B Modo Maxi ..... **£44.99**  
797 Modo Pocket ..... **£14.99**

055XB Tripod ..... **£94.99**  
055XPROB Tripod ..... **£118.99**

190XB ..... **£88.99**  
190X PROB ..... **£88.99\***

#### Manfrotto Tripod Bags

You look after your camera so why not protect your tripod?

Manfrotto Tripod Bag Unpadded 70cm ..... **£29.99**  
Manfrotto Tripod Bag Unpadded 80cm ..... **£39.99**  
Manfrotto Tripod Bag Padded 80cm ..... **£49.99**

#### Manfrotto Tripod Straps

Includes a spring clip to fasten quickly at the shoulder of the tripod for a tight & secure grip.

Manfrotto MN102 Tripod Strap ..... **£21.99**

### MANFROTTO TRIPOD HEADS

#### Manfrotto

##### Ball & Socket Heads

Designed to be lightweight but at the same time offer heavy duty load capacity.

494RC2 Mini Ball Head with RC2 Quick Release Plate ..... **£39.99**

055CX3 ..... **£243.99**  
055CX PRO3 ..... **£249.99**  
055CX PRO4 ..... **£249.99**

496RC2 Compact Ball Head with RC2 Quick Release Plate ..... **£54.99**

498RC2 Midi Ball Head with RC2 Release Plate ..... **£89.99**

804RC2 Basic Head Q/R ..... **£594.99**

460Mg Magnesium Head ..... **£68.99**

#### Manfrotto

##### Video Heads

Small & lightweight heads with smooth fluid movement & pan & tilt locks.

128RC ..... **£65.99**

700RC2 ..... **£69.99**

**Joystick Heads**  
Just grip the handle and you can position your camera anywhere within a 180° sphere.

222 Joystick Head ..... **£76.99**

322RC2 Heavy Duty Grip Head ..... **£88.99**

324RC2 ..... **£109.99**

327RC2 ..... **£164.99**

**Pan & Tilt Heads**  
Smooth control of pan, back and forward tilt plus side to side tilt movements.

804RC2 Basic Head Q/R ..... **£594.99**

460Mg Magnesium Head ..... **£68.99**

### MONOPODS

#### Manfrotto

**Monopods**  
Ever heard the one about a one legged tripod? You have now. Monopods are perfect for those that need stability, speed and portability.

790B Modo ..... **£25.99**  
679B 3-Section ..... **£35.99**  
680B 4-Section ..... **£44.99**  
681B 3-Section ..... **£49.99**  
685B Neotec ..... **£114.99**  
695CX ..... **£139.99**  
694CX ..... **£127.99**  
776YB MY ..... **£34.99**



**Monopod Heads**  
234 Simple tilt head allows 900 tilt for vertical or horizontal format.

234 Tilt Head/M/Pod ..... **£14.99**  
234RC Tilt Head Q/R ..... **£24.99**

### GIOTTOS TRIPODS - 5 Year Warranty on all Giottos Tripods & Heads

#### GIOTTO NEW!

##### Vitruvian VGR Tripod Kits

Designed to offer photographers not only a truly lightweight and compact tripod, but a full function monopod and ball head.

With "reverse technology" legs so that when collapsed they fold through 180 degrees and surround the tripod centre column and head - folding down into a unit that measures only 40cm long. Unscrew the tripod leg, remove the centre column & head then join them together to produce a monopod with a maximum height of 162cm.

Vitruvian VGR9255 & MN5310 ..... **£199.99**

Vitruvian VGR8255 & MN5310 ..... **£329.99**



#### GIOTTO

##### MTL Adjustable Column Carbon Fibre

Patented multi-function centre column allows for 180° vertical movement and 360° degree horizontal rotation as a lateral arm. No need for an extra head when using the built-in universal 3-way head, just change to the short column and lock the safety knob.

MTL8351B Adjust Column ..... **£159.99**  
MTL8350B Adjust Column ..... **£158.99**  
MTL8361B Adjust Column ..... **£199.99**  
MTL8360B Adjust Column ..... **£189.99**



MTL9351B Adjust Column ..... **£89.99**  
MTL9351B+MH5011 kit NEW ..... **£119.99**  
MTL9361B Adjust Column ..... **£98.99**  
MTL9361B+MH5001 head ..... **£134.99**  
MTL3361B Adjust Column ..... **£99.97**

#### GIOTTO

##### MTL Vertical Column Aluminium/Carbon Fibre

High density tubes minimise weight yet maximise rigidity. The centre column can be reversed to position the camera upside down. Maximum height (MTL9271B) 182cm.

MTL3271 Aluminium Vertical Column ..... **£89.97**  
MTL8240B Carbon Vertical Column ..... **£169.99**



MT8246B Vertical Column ..... **£169.97**  
MT9340B Aluminium Adjust Column ..... **£74.99**

### GITZO TRIPODS - Available at our New Oxford Street store only and as a special order through other stores.

#### GIPTO

##### Systematic

The strongest and most stable available, they also offer unsurpassed flexibility.

GT354 ILS Studex ..... **£499.99**

GT351 ILS Rapid Column ..... **£169.99**



#### GIPTO

##### Traveler & Head

An excellent choice for compact digital cameras and DSLRs, or even for lightweight camcorders. Come with the G1077M head.

GT1550T Traveler ..... **£439.99**

GK2580TQR with head ..... **£599.99**



#### GIPTO

##### Mountaineer

The world's first carbon fibre tripod that maximises rigidity, vibration absorption and lightweight performance.

GT2542L long version ..... **£579.99**

GIPTO



### GIOTTOS TRIPOD HEADS

#### GIOTTO

##### Ball & Socket Heads

Giottos MH1302-652 Professional extra large ball & socket. Features light and extra large ball with hollowed ball structure. All of these plates feature a safety lock with "auto lock" retaining system.

MH1302-652 8kg ..... **£59.99**  
MH1301-652 12kg ..... **£74.99**  
MH1300-652 20kg ..... **£74.99**  
MH7002-652 4kg ..... **£39.99**  
MH7001-652 6kg ..... **£44.99**  
MH7000-652 8kg ..... **£54.99**

**Quick Release Plate**  
Replacement Square Mount Plate for MH652 ..... **£12.99**  
MH642 Q/R Plate 1/4 ..... **£12.99**

#### GIOTTO

##### Pan & Tilt Heads

Giottos MH5001 Smooth control of pan, back & forward tilt plus side to side tilt movements. The quick pan head incorporates a special patented double safety lock and a sprung location pin, which allows the equipment to be simply and quickly loaded and unloaded.

MH5001 ..... **£39.99**

MH5011 3-Way Head with quick release plate ..... **£35.99**

VH6011-658B Birding Hd. .... **£64.99**

**Accessories**  
Tripod Bag Large ..... **£24.99**  
Tripod Bag Medium ..... **£24.99**  
Shoulder Strap ..... **£19.99**

### Velbon

#### Velbon Tripods

CX Mini Table Inc. case ..... **£19.99**  
CX440 Tripod Inc. case ..... **£29.99**  
CX540 Tripod Inc. case ..... **£39.99**  
CX640 Tripod Inc. case ..... **£49.99**  
CX740 Tripod Inc. case ..... **£69.99**



### GIPTO TRIPOD HEADS New Oxford Street store only

#### GIPTO

##### Designed to meet the demands of professional photographers.

GH2780QR Centre Ball ..... **£224.99**

GH5380SR Systematic Ball Head ..... **£274.99**

GH3780QR Centre Ball ..... **£249.99**



#### GIPTO

##### G2180 Fluid Head

..... **£154.99**

G2272M Low Profile 3 Way Head ..... **£199.99**

G1173/14B QR Plate 1/4 ..... **£29.99**



### GIOTTOS MONOPODS

#### GIOTTO

##### Monopods

Made from 6061 grade aluminium, featuring quick action lever leg locks, foam hand grip and security wrist strap.

Giottos MML3260B ..... **£34.99**  
Giottos MML3270B ..... **£39.99**  
Giottos MNL3290B ..... **£44.99**

### gorillapod

#### Gorillapods

The Gorillapod firmly secures your camera to just about anything. It can be manipulated into a variety of positions to wrap around objects.

Gorillapod Black ..... **£14.99**  
Gorillapod SLR ..... **£29.99**  
Gorillapod SLR Zoom ..... **£39.99**  
Gorillapod Green ..... **£14.99**  
Gorillapod Focus ..... **£89.99**  
Gorillapod Magnetic NEW ..... **£24.99**  
Gorillapod BH1 Head ..... **£39.99**  
Gorillapod BH1 Head NEW ..... **£69.99**

### GIPTO MONOPODS

#### New Oxford Street store only

#### GIPTO

Gitzo monopods continue to set the standard for professionals and advanced amateurs.

GM256 IT ..... **£189.99**  
GM3340L ..... **£139.99**  
GM556 IT + G Lock ..... **£234.99**  
GH1780 Q/R Advanced Centre ball head ..... **£169.99**



**BACKPACKS** - Some stock at selected stores only - Please check before making a special journey - 0845 600 6055

**Slingshot**  
Perfect for photo-journalists. The world's best selling slingshot design bags now features hide away tripod mount.

**NEW!**

Slingshot 102AW.....£64.99  
 Slingshot 202AW.....£84.99  
 Slingshot 302AW.....£94.99

Classified Sling 180AW.....£99.99  
 Classified Sling 220AW.....£129.99

Passport Sling Mica **NEW!** £39.99  
**EXCLUSIVE TO JACOBS! COMING SOON.**

**Flipside**  
Comfortable backpack series protects your digital SLR and laptop (250 & 350 models). Slide compartments give quick access to accessories.

Flipside 200 Blue/Blk/Red.....£59.99  
 Flipside 300 Blue or Red.....£69.99  
 Flipside 400 Blk.....£79.99

CompuDaypack Grey.....£69.99

Fastpack 100 Blue.....£44.99  
 Fastpack 100 Black.....£44.99  
 Fastpack 200 Blue.....£54.99  
 Fastpack 200 Blk or Red.....£49.99  
 Fastpack 250 Blk/Red.....£54.99  
 Fastpack 300 Blue.....£69.99  
 Fastpack 350 Black/Red.....£69.99

Inverse 100AW Blk/Blk/Gm.....£59.99  
 Inverse 200AW Blue.....£69.99  
 Inverse 200AW Black.....£69.99  
 Inverse 200AW Green.....£69.99

**NEW!**

**Versapack**  
the ultimate dual-compartment DSLR backpack: flexible, lightweight and incredibly versatile.

Versapack 200AW Blk, Blue.....£59.99

Pro Trekker 300AW.....£229.99  
 Pro Trekker 400AW.....£274.99  
 Pro Trekker 600AW.....£289.99

Rover AW2 Black/Grey.....£89.99

Vertex 100AW.....£89.99  
 Vertex 200AW.....£124.99  
 Vertex 300AW.....£149.99

Pro Runner 200AW **NEW!**.....£59.99  
 Pro Runner 300AW.....£79.99  
 Pro Runner 350AW.....£119.99  
 Pro Runner 450AW.....£149.99  
 Pro Runner X 350AW.....£199.99  
 Pro Runner X 450AW.....£249.99

Primus AW Black.....£89.97

**thinkTANK** photo  
So Ready. Before The Moment.

**Shape Shifter**  
Expands and contracts to fit your equipment. Holds photo gear & 17" laptop.

Shape Shifter.....£209.99

**Street-walker**  
Slim, vertically styled & lightweight.

Street Walker.....£99.99  
 Street Walker Pro.....£121.99  
 Street Walker Hard Drive.....£142.99  
 Airport Antidote V2.....£149.99  
 Airport Ultralight V2.....£124.99  
 Airport Addicted V2.....£134.99  
 Airport Takeoff.....£249.99  
 Airport Check In.....£99.99  
 Airport Acceleration V2.....£194.99

**KATA**

**DPS**  
Features innovative Thermo Shield Technology adding protective rigidity when needed.

DPS DR-4651 Black.....£54.99  
 DPS DR-4661 Black.....£59.99  
 DPS DR-4671 Black.....£69.99

3N1 Sling Backpack 10.....£59.99  
 3N1 Sling Backpack 20.....£89.99  
 3N1 Sling Backpack 30.....£99.99

3N1 Sling Laptop Small.....£119.99  
 3N1 Sling Laptop Med.....£139.99  
 3N1 Sling Laptop Large.....£159.99

**ACCESSORIES**

**Straps & Accessories**

Belt & Buckle.....£19.99  
 DMCZ Memory Wallet.....£15.99  
 Filter Pocket.....£19.97  
 Pixel Pack V1 Mem Wallet.....£9.99  
 Pixel Pack V2 Mem Wallet.....£9.99  
 S&F Light Belt 9.....£26.99  
 Transporter Strap.....£24.99  
 Speedster Strap.....£19.97  
 Verbal Tech Shoulder Strap.....£29.99

**thinkTANK** photo  
So Ready. Before The Moment.

**Modular Components**

Lens Drop In.....£25.99  
 Lens Changer 15.....£16.99  
 Lens Changer 25.....£18.99  
 Lens Changer 35.....£19.99  
 Lens Changer 50.....£20.99  
 Lens Changer 75 Pop Down.....£26.99  
 Lens Changer 300.....£34.99  
 Large Lens Drop In.....£29.99  
 Speed Changer.....£36.99  
 Whip it Out.....£32.99  
 R U Thirsty?.....£17.99  
 The Chimp Cage.....£29.99  
 Lightning Fast.....£25.99  
 Bum Bag.....£25.99

**CRUMPLER**

Messenger Bag Half Photo Black, Green, Mahogany.....£89.99  
 Messenger Bag Half Photo White.....£89.97

**HOLDALLS** - Some stock at selected stores only - Please check before making a special journey - 0845 600 6055

**Altus**  
Quick access lid, card storage, adjustable strap & divider.

Altus 140.....£19.99 **SAVE £5** when bought with any DSLR/DSC.

Apex 100AW Black/Blue.....£24.99  
 Apex 110AW Black.....£27.99  
 Apex 110AW Blue.....£27.99  
 Apex 120AW Black.....£31.99  
 Apex 140AW Black/Blue.....£34.99

Cirrus 120 Black.....£28.97  
 Cirrus 120 Blue.....£28.99  
 Cirrus 140 Black.....£33.99  
 Cirrus 140 Blue.....£33.99  
 Cirrus TLZ 5 Black.....£24.99  
 Cirrus TLZ 5 Blue.....£24.99  
 Cirrus TLZ 15 Black.....£29.99  
 Cirrus TLZ 25 Black.....£34.99

**Classified**  
Fast access bag with slim profile.

Classified 140AW Blk/Sep.....£69.99  
 Classified 160AW Black.....£84.99  
 Classified 160AW Sepia.....£84.99  
 Classified 200AW Blk/Sep.....£99.99  
 Classified 250AW Blk/Sep.....£129.99

**Magnum**  
An essential toolbox for the pro photographer. Extra-portable, durable & flexible with a sturdy base offering sturdy & stable protection.

Magnum 400AW.....£159.99  
 Magnum 650AW.....£199.99

Nova 140AW Black.....£34.99  
 Nova 140AW Blue.....£24.97  
 Nova 160AW Black.....£39.99  
 Nova 170AW Black.....£44.99  
 Nova 180AW Black.....£49.99  
 Nova 180AW Blue.....£64.99  
 Nova 190AW Black.....£59.99  
 Nova 200AW Black.....£59.99

Rezo 110AW.....£18.99  
 Rezo 120AW.....£24.99  
 Rezo 140AW.....£34.99  
 Rezo 160AW.....£34.99  
 Rezo 170AW.....£39.99  
 Rezo 180AW.....£44.99  
 Rezo 190AW.....£49.99  
 Rezo TLZ 10.....£21.99  
 Rezo TLZ 20.....£27.99

**Stealth**  
Generous all-in-one bag.

Stealth Reporter D100AW.....£64.99  
 Stealth Reporter D200AW.....£74.99  
 Stealth Reporter D300AW.....£84.99  
 Stealth Reporter D400AW.....£94.99  
 Stealth Reporter D550AW.....£104.99  
 Stealth Reporter D650AW.....£124.99

Edit 110 Video Case.....£24.99

**thinkTANK** photo  
So Ready. Before The Moment.

**Urban Disguise**  
Protect your equipment without attracting attention.

Urban Disguise 10.....£49.99  
 Urban Disguise 20.....£69.99  
 Urban Disguise 30.....£94.99  
 Urban Disguise 35.....£109.99  
 Urban Disguise 40.....£109.99  
 Urban Disguise 50.....£124.99  
 Urban Disguise 60.....£139.99  
 Urban Disguise 70 Pro.....£139.99

**KATA**

**Digital Case**  
Includes ample pockets and a waterproof cover.

DC-433 Digital Case.....£24.99  
 DC-435 Digital Case.....£24.99  
 DC-439 Digital Case.....£36.99  
 DC-445 Digital Case.....£39.99

**Billingham**

British made bags made from water-proof canvas, with non-absorbent lining and seams that are bound with water-proof tape.

Hadley Pro Khaki/Tan.....£CALL  
 Hadley Digital Khaki.....£CALL  
 Hadley Digital Black.....£CALL  
 Hadley Small Black.....£CALL  
 Hadley Small Khaki.....£CALL  
 Hadley Large Black.....£CALL  
 Hadley Large Khaki.....£CALL  
 L2 Khaki.....£CALL  
 S225 Khaki.....£CALL  
 S335 Khaki.....£CALL  
 S335 Blk.....£CALL  
 S445 Blk or Khaki.....£CALL  
 SP40 Shoulder Pad Black.....£CALL  
 207 Shoulder Bag Black.....£CALL  
 207 Shoulder Bag Khaki.....£CALL  
 307 Shoulder Bag Khaki.....£CALL  
 MBIL11.4 Khaki FibreNyte.....£CALL  
 MBIL12.8 Khaki FibreNyte.....£CALL  
 MBIL12.8 Black FibreNyte.....£CALL

**TOPLOADERS** - Some stock at selected stores only - Please check before making a special journey - 0845 600 6055

**NEW!**

**Toploader**  
Holster-style bag with strap & belt loop for DSLR & lens

Toploader Zoom 45AW.....£39.99  
 Toploader Zoom 50AW.....£44.99  
 Toploader Zoom 55AW.....£49.99  
 Toploader Zoom Pro 65AW.....£69.99  
 Toploader Zoom Pro 70AW.....£84.99  
 Toploader Zoom Pro 75AW.....£74.99

TLZ1 Black.....£29.97  
 TLZ1 Navy.....£39.97

**thinkTANK** photo  
So Ready. Before The Moment.

**Digi Holster**  
For DSLRs, each feature two vertical lengths to accommodate different size lenses.

Digital Holster 10.....£34.99  
 Digital Holster 20.....£41.99  
 Digital Holster 30.....£51.99  
 Digital Holster 40.....£51.99  
 Digital Holster 50.....£59.99

**KATA**

**Digi Holster**  
Added protection plus fast & easy access when you need it.

DH-421 Digi Holster S.....£24.99  
 DH-423 Digi Holster M.....£29.99  
 DH-425 Digi Holster L.....£34.99

**ROLLERS**

Pro Roller X 100.....£299.99  
 Pro Roller X 200.....£349.99  
 Pro Roller X 300.....£399.99  
 Pro Roller 3.....£229.99

**thinkTANK** photo  
So Ready. Before The Moment.

Airport International V2.....£234.99  
 Airport Airstream.....£199.99  
 Airport Security V2.....£264.99

**PELI CASES**

Watertight, crushproof, and dust proof.

**Peli Cases**

1500 Case with Foam.....£129.99  
 1510 Case with Dividers.....£199.99  
 1510 Case with Foam.....£169.99  
 1550 Case with Foam.....£151.99  
 1560 Case with Dividers.....£234.99

**POUCHES**

**Apex Inc. All weather cover.**

Apex 5AW Blue.....£6.99  
 Apex 10AW Blk/Blue.....£19.99  
 Apex 20AW Black.....£19.99  
 Apex PV AW Blue.....£19.99  
 Apex PV AW Black.....£19.97

Napoli 5 Black.....£10.99  
 Napoli 10 Black.....£24.99  
 Napoli 20 Black.....£27.99  
 Napoli 30 Black.....£16.99

**Tasca**  
Neoprene fabric with clasp opening.

Tasca 10 Blue/Red.....£5.99  
 Tasca 20 Blue.....£5.99

**CRUMPLER**

Messenger Bag 55 Mahogany or White.....£6.99

Messenger Bag 55 Black.....£13.99  
 Messenger Bag 55 Green.....£9.99  
 Messenger Bag 80 Mahog.....£9.99  
 Messenger Bag 80 Green/White.....£9.99

PP70 & Strap Black/Red.....£15.99

**Camera Wraps**

Wrap-Up Black.....£14.99  
 Wrap-Up Black Quilted.....£14.99  
 Wrap-Up Pink Dot.....£14.99

**Accessories**

Camera Strap Black/ Grey.....£18.99  
 Camera Support Straps.....£8.99  
 Camera Strap Black/Blue.....£18.99  
 Cable Management 10.....£9.99  
 Digital Holster Harness.....£18.99  
 Belly Dancer Harness.....£32.99  
 Shoulder Harness.....£19.99  
 Pixel Pocket Rocket.....£12.99  
 Rotation 360°.....£184.99  
 EP-NSI.....£25.99  
 ID Tag.....£18.99  
 Cable Management 50.....£19.99  
 EPC.....£25.99  
 EPC-MLI.....£25.99  
 EPN.....£29.99  
 AA Low Dividers.....£28.99  
 AS Low Dividers.....£42.99

**Vests & Rain Covers**

Jacobs Photo Vest L.....£49.99  
 Damke Photo Vest S-XL.....£119.99  
 Damke Photo Vest XXL.....£129.99  
 Jacobs Rain Cover M.....£19.99  
 Jacobs Rain Cover L.....£24.99  
 Jacobs Rain Cover XL.....£29.99



# JACOBS

## DIGITAL PHOTO & VIDEO

**THE UK'S LARGEST INDEPENDENT PHOTOGRAPHIC RETAILER!**

### WAYS TO BUY



Visit one of our 17 stores for great advice and a great deal!

Shop online at our fast and secure web store: [www.jacobsdigital.co.uk](http://www.jacobsdigital.co.uk)

Call our order hotline: 0845 600 6055



E-mail us at: [sales@jacobs-photo.co.uk](mailto:sales@jacobs-photo.co.uk)

Fax us on: 0116 281 5190

Write to us at: Jacobs Digital  
Jacobs House, Meridian East, Meridian  
Business Park, Leics. LE19 1WZ

### Canon

#### DIGI COMPACTS

Powershot A495.....£99.99  
Ibus 105.....£149.00  
Ibus 130.....£199.00  
Ibus 210.....£348.99  
Powershot SX20IS.....£299.00  
  
Powershot D10.....£249.00  
Powershot SX11S.....£399.00



Canon P/shot SX120IS

**£179.00**

Megapixels ..... 10.0  
Optical Zoom ..... 10x  
LCD Screen ..... 3-inch  
Colours: ●



Canon P/shot SX210IS

**£299.00**

Megapixels ..... 14.1  
Optical Zoom ..... 14x  
LCD Screen ..... 3-inch  
Colours: ●

Canon Powershot S90

- 10.0 Megapixels
- 3.8x Optical Zoom
- Image Stabiliser
- ISO 3200
- RAW Shooting
- 3" LCD Screen
- Face Detection
- VGA Movies



**£329.00**

Canon Powershot G11

- 10.0 Megapixels
- 5x Optical Zoom
- Image Stabiliser
- ISO 12800
- RAW Shooting
- 28mm Wide-angle
- 2.8" Vari-angle LCD Screen
- Dual Anti Noise System



**£429.00**

### Panasonic

#### DIGI COMPACT CAMERAS

Lumix FP1.....£139.00  
Lumix FS10.....£139.99  
Lumix FS11.....£149.00  
Lumix FS30.....£169.00  
Lumix TZ8.....£209.00†  
INC. £20 CASHBACK† ENDS 31/8/10  
Lumix FZ38.....£249.99  
Lumix FT2.....£329.00



Panasonic Lumix FP3

**£169.00**

Megapixels ..... 14.1  
Optical Zoom ..... 4x  
LCD Screen ..... 3-inch  
Colours: ● ● ● ●

Panasonic Lumix TZ6 Black

- 10.1 Megapixels
- 12x Optical Zoom
- 2.7" LCD
- Face Detection
- Intelligent Auto mode
- 40MB Internal Memory



**£179.99**



Panasonic Lumix ZX3

**£249.00**

Megapixels ..... 14.1  
Optical Zoom ..... 8x  
LCD Screen ..... 2.7-inch  
Colours: ● ● ● ●



Panasonic Lumix TZ10

**£269.99\***

Megapixels ..... 14.1  
Optical Zoom ..... 12x  
LCD Screen ..... 2.7-inch  
Colours: ● ● ● ●



Panasonic Lumix LX3

**£359.00**

Megapixels ..... 10.1  
Optical Zoom ..... 2.5x  
LCD Screen ..... 3-inch  
Colours: ●

### FUJIFILM

#### DIGI COMPACT CAMERAS

Finepix AV100.....£69.00  
12MP, 3x Op Zoom.....£69.00  
Finepix JX200.....£109.00  
12MP, 5x Op Zoom.....£109.00  
Finepix Z70.....£99.99  
12MP, 5x Op Zoom.....£99.99  
Finepix S1600.....£149.00  
12MP, 15x Op Zoom.....£149.00



Fuji Finepix XP10

**£129.99**

Megapixels ..... 12.2  
Optical Zoom ..... 5x  
LCD Screen ..... 2.7-inch  
Colours: ● ● ● ●



Fuji Finepix JZ500

**£179.00**

Megapixels ..... 14.1  
Optical Zoom ..... 10x  
LCD Screen ..... 2.7-inch  
Colours: ● ● ● ●



Fuji Finepix F80EXR

**£179.99**

Megapixels ..... 12.0  
Optical Zoom ..... 10x  
LCD Screen ..... 3-inch  
Colours: ● ● ● ●



Fuji Finepix S2500HD

**£199.00**

Megapixels ..... 12.2  
Optical Zoom ..... 18x  
LCD Screen ..... 3-inch  
Colours: ● ● ● ●



Fuji Finepix HS10

**£399.00**

- 10.3 Megapixels
- 30x Optical Zoom
- 3-inch Tilt LCD
- Full HD Movie Mode
- Triple Image Stabiliser
- Electronic Viewfinder
- Motion Panorama
- Motion Remover



#### DIGI COMPACT CAMERAS

Coolpix L21.....£69.99  
Coolpix L22.....£69.00  
Coolpix L110.....£179.00  
Coolpix P100.....£309.99



Nikon Coolpix S3000

**£99.00**

Megapixels ..... 12.0  
Optical Zoom ..... 4x  
LCD Screen ..... 2.7-inch  
Colours: ● ● ● ●



Nikon Coolpix S8000

**£229.99**

- 14.2 Megapixels
- 10x Optical Zoom
- 3-inch LCD
- 720p HD Movie
- ISO 3200
- Vibration Reduction
- Smart Portrait System
- Advanced Flash Control



Olympus Mju 3000

**£149.99**

Megapixels ..... 0.0  
Optical Zoom ..... 0x  
LCD Screen ..... 0-inch  
Colours: ● ● ● ●



Olympus Mju Tough 8010

**£299.99**

SP-800UZ.....£299.99  
Mju Tough 8010.....£299.99

### SONY

#### SONY COMPACT CAMERAS

AVAILABLE IN STORE ONLY

DSC-W350.....£149.99  
DSC-W380.....£189.99  
DSC-H55.....£219.99  
DSC-HX5.....£299.99  
DSC-HX1.....£349.00



Pentax i10

**£149.00**

Megapixels ..... 12.1  
Optical Zoom ..... 5x  
LCD Screen ..... 2.7-inch  
Colours: ●



Leica X1

**£1395.00**

Megapixels ..... 12.2  
Optical Zoom ..... 2.7-inch  
LCD Screen ..... 2.7-inch  
Colours: ●

#### SanDisk MEMORY CARDS & READERS

##### CompactFlash Ultra

8GB Ultra II.....£39.99

##### CompactFlash Extreme

4GB Extreme III.....£35.99

8GB 60Mbps.....£68.99

16GB 60Mbps.....£108.99

32GB 60Mbps.....£88.99

##### Extreme Pro

16GB.....£178.99

32GB.....£298.99

64GB.....£548.99

##### SD Standard Speed

2GB 20x speed.....£9.99

4GB SDHC.....£14.99

8GB SDHC.....£19.99

##### SD Ultra

4GB SDHC.....£18.99

8GB SDHC.....£28.99

16GB SDHC.....£54.99

32GB SDHC.....£98.99

64GB SDHC.....£229.99

##### SD Extreme

4GB Extreme.....£29.99

8GB Extreme.....£48.99

16GB Extreme.....£88.99

32GB Ext. 30Mbps.....£204.99

##### SD Micro SD

2GB Micro SDHC.....£7.99

4GB Micro SDHC.....£13.99

8GB Micro SDHC.....£23.99

##### SD Ultra Video HD

4GB Ultra Video HD.....£14.99

8GB Ultra Video HD.....£24.99

16GB Ultra II Vid. HD.....£49.97

##### Memory Stick Pro Duo

2GB Pro Duo.....£18.99

4GB Pro Duo.....£25.99

8GB Pro Duo.....£45.99

##### M/Stick Ultra Video HD

4GB Ultra Video HD.....£35.99

16GB Ultra Video HD.....£102.99

##### Memory Card Readers

Imagemat all-in-one.....£29.99

Imagemat Multicard.....£19.99

### CAMCORDERS - Pocket, Standard Definition & High Definition

### Canon

#### CAMCORDERS

FS-306 Value-up kit  
inc. 4GB SDHC card & Case.  
INC. £30 CASHBACK.....£219.99\*  
  
HFR-106 Value-up kit  
inc. 4GB card, Case & Lead  
INC. £30 CASHBACK.....£419.99\*



Canon HFM-306 Kit

**£599.99\***

- High Definition
- 3.3 Megapixels
- 2.7-inch LCD
- HD Video Lens
- Inc. 4GB SDHC Card & Case

### Panasonic

#### CAMCORDERS

SDR-550B.....£199.99  
SDHC Camcorder  
INC. 3 YR WARRANTY  
  
SR-H85.....£299.99  
80GB Hard Drive Camcorder

### Panasonic

#### HDC-SD60B

• High Definition  
• 25x Optical Zoom  
• Optical Image Stabiliser  
• SDHC Card  
  
+ 10% CASHBACK!  
OR 32GB SD CARD!  
ENDS 31/8/10



Panasonic HDC-SD60B

**£429.99**

### Panasonic

#### HDC-HS60

Type.....High Definition  
Hard Drive.....120GB  
Optical Zoom.....25x  
Memory Card.....SDHC

Panasonic HDC-HS60

**£599.99**

### SONY

#### CAMCORDERS

Bloogie MHS-PM5  
HD Pocket.....£169.99  
  
DCR-SX33 Blue.....£219.99  
  
DCR-SR58.....£299.99  
  
HDX-XR155 HD & 120GB  
Hard Drive.....£529.99



Sony HDR-CX115

**£399.99**

- High Definition
- 3.1 Megapixels
- 25x Optical Zoom
- 2.7-inch LCD
- Image Stabiliser
- SDHC Card

### Flip Mino 2 HD

#### NEW!

Type.....HD Pocket  
Int. Memory.....8GB  
LCD.....2" Anti Glare

Flip Mino 2 HD

**£169.99**

### JVC

#### CAMCORDERS

GZ-MS110 SDHC Camcorder  
.....£169.99  
  
GZ-MG750B 80GB Hard  
Drive.....£299.99  
  
GZ-HM300 High Definition  
with time lapse record  
INC. 5 YR WARRANTY.....£329.99



JVC GC-FM1B

**£119.99**

- HD Pocket Camcorder
- 4x Optical Zoom
- High Definition Video
- 8 Megapixel Stills
- 2.0-inch LCD
- Image Stabiliser
- SDHC Card

† 3 Yr Warranty to be claimed from Panasonic. Valid on in store purchases only. Camcorder offer valid 1/6/10 - 31/8/10. \* 5 Year Warranty to be claimed direct from JVC. Valid 1/5/10 - 30/9/10.

• BIRMINGHAM • BRISTOL • CARDIFF • DERBY • EDINBURGH • HULL • LEEDS • LEICESTER • LIVERPOOL • LONDON CHELSEA

worldmags & avaxhome



**ORDER HOTLINE**  
**0845 600 6055**  
 www.jacobsdigital.co.uk

**JACOBS**  
 DIGITAL PHOTO & VIDEO  
**THE UK'S LARGEST INDEPENDENT PHOTOGRAPHIC RETAILER!**

## BINOCULARS

**LEICA**  
**FREE HOLSTER WITH ALL HD BINOS**  
 ENDS 31/8/10

**8x20 BCA Trinovid**  
 High-performance and compact design... **£313.99**

**8x32 Ultravid HD**  
 HD lenses for increased performance and large field of view of 135m... **£1298.99**

10x32 Ultravid HD... **£1364.99**  
 7x42 Ultravid HD... **£1454.99**  
 8x42 Ultravid HD... **£1438.99**  
 10x42 Ultravid HD... **£1518.99**  
 8x50 Ultravid HD... **£1532.99**  
 10x50 Ultravid HD... **£1611.99**  
 12x50 Ultravid HD... **£1807.99**

**ZEISS**

**10x40 T\* Conquest**  
 Best-in-class solution for those who need brilliant daylight performance... **£895.99**

8x40 T\* Conquest... **£850.99**  
 8x20 BT T\* Victory Comp... **£408.97**  
 8x32 T\* FL Black... **£1390.99**  
 8x42 T\* FL Black... **£1485.99**

**10x42 T\* FL**  
 Highest light transmission of any binocular in its class - > 90% - with low stray light... **£1510.99**

**SWAROVSKI OPTIK**

**8.5x42 EL Swarovision**  
 A diamond-bright optic aids bird watching in poor light conditions... **£1649.99**

8x32 EL... **£1288.99**  
 10x32 EL... **£1348.99**  
 10x42 EL Swarovision... **£1670.99**

8x30 SL... **£774.99**  
 10x42 SL... **£1143.99**

**10x25B Pocket**  
 Extremely small, handy compact binoculars with 10x magnification... **£459.99**

8x20 Pocket Binos... **£408.99**

**opticron**

**Trailfinder II**  
 Compact Roof Prism binoculars, nitrogen sealed & waterproof, represent outstanding value for money.

8x25 Trailfinder II Green... **£59.99**  
 10x25 Trailfinder II Green... **£69.99**

8x25 Imia DWCF... **£49.99**  
 10x25 Imia DWCF... **£59.99**  
 8x32 Oregon IE WP... **£89.99**  
 8x42 Oregon IE WP... **£99.99**  
 10x42 Oregon IE WP... **£109.99**  
 8x32 Discovery WP PC... **£129.99**  
 8x42 Discovery WP PC... **£99.97**  
 10x42 Discovery WP PC... **£109.97**  
 10x42 BGA Countryman... **£249.99**  
 10x42 BGA Countryman... **£204.97**  
 8x42 Traveller BGA... **£199.99**  
 10x42 Traveller BGA... **£219.99**

## SPOTTING SCOPES

**LEICA**

**APO TELEVID 65**  
 For users who are particularly active. Small size, big performance. **£1918.99**

**ZEISS**

**85T\* FL Angled Silver Scope**  
 With the photo adapter the Diapicope is transformed into a super tele for SLR photography... **£1499.99**

Photo Adapter... **£349.99**

**SWAROVSKI OPTIK**

**ATS80HD**  
 By far the lightest of the larger observation telescopes... **£1481.97**

**ATS65HD**  
 Extremely easy to handle & compact... **£1072.97**

**opticron**

**I560 Kit**  
 Inc. eyepiece & case... **£268.99**

**GS665 Kit**  
 Rubber armoured & nitrogen waterproof... **£510.99**

Piccolo 15-45x60... **£90.99**

## DATA STORAGE

**CD-R Discs**  
 TDK CDR 700MB x50... **£7.99**  
 TDK CDR 700MB x100... **£15.99**  
 Verbatim CDR 700MB x1... **£0.99**

**Verbatim DVD Discs**  
 Verbatim DVD-R x25... **£8.99**  
 Verbatim DVD-R x50... **£15.99**  
 Verbatim DVD-R x100... **£28.99**  
 8cm DVD+RW x3... **£10.99**  
 8cm DVD+RW x3Pk... **£7.99**  
 8cm DVD+RW x3Pk... **£10.99**  
 8cm DVD+RW x10... **£15.99**

**Store 'N' Go 4GB USB flash drive**  
 Retractable design without the need for a cap. With blue LED light to signal when data is being transferred, also comes with password protection software. **£9.99**

**VP5700 80GB Portable H/Drive**  
 Large 3.5" colour LCD. Store and display thousands of photos, music and video playback without a computer. **£179.99**

**VP8870160GB Portable H/Drive**  
 Multimedia storage viewer with 4.3-inch colour LCD. Reads all memory cards, a speedy RAW image viewer, video player, photo viewer, voice recorder and video recorder. **£259.99**

**drobo**

A new primary storage, the safe, expandable Drobo storage robot. Dynamically expand storage any time. Drobo holds up to 16TB in four drive bays using any combination of 3.5" SATA drives.

DROBO Housing without Drives 4 Bays... **£306.99**  
 DROBO Share Network Adapter... **£153.99**  
 DROBO Housing with 2x 1TB Hard Drives... **£510.99**

## A3+ PRINTERS

**Canon**

**Pro 9000MkII A3+ Printer**  
 Prints up to A3+ and 14x17". Achieve professional colour and monochrome prints on a wide range of media.

Pixma Pro 9000 MkII... **SAVE £70! £329.99**  
 Replacement Inks C18... **from £14.99**

**Canon**

**Pro 9500MkII A3+ Printer**  
 The A3+ Canon PIXMA Pro9500 Mark II produces gallery-quality, long-lasting prints, on a range of media.

Pixma Pro 9500MkII... **SAVE £80! £499.99**  
 Replacement Inks PGI... **from £13.99**

**EPSON**

**R2880 A3+ Printer**  
 Enjoy stunning images thanks to Epson Ultra Chrome K3 with vivid Magenta ink - a seriously good ink system for the serious photographer.

R2880... **SAVE £120! £599.99**

## SCANNERS

**Summit Photofix Copier SP2**  
 Transform your film negative and slide collection into digital files, simply, quickly & at the touch of a button... **£69.99**

**Summit SP5 Copier**  
 Includes a 2.4" LCD screen. View and digitize your 35mm negatives, slides and 110 images on to an SD card... **£99.99**

**Plustek SmartPhoto P60**  
 Share your memories with family and friends. Palm size 6x4 inch smart photo P60 photo scanner, turns your prints and photographs into digital files in second... **£79.99**

**Plustek OpticFilm 7400**  
 7200 dpi film scanner with Plustek's Multi-Exposure, noises are eliminated efficiently, and the unique light source gives images more vivid effect and precise colour rendering. **£218.99**

**Plustek OpticFilm 7600i SE**... **£288.99**

## INKJET PAPER

**A3+ Paper**  
 Canon PR201 Pro Paper x10shts... **£25.99**  
**BUY 1 GET 1 FREE**  
 Canon PT101 Platinum Pro x10shts... **£29.99**  
 Ilford Galerie Gold Fibre Silk x10sht... **£39.99**

**A3 Paper**  
 Canon PR201 Pro Paper x20shts... **£35.99**  
 Canon PT101 Platinum Pro x20shts... **£49.99**  
 Epson Super Premium Gloss x20shts... **£29.99**  
 Epson Super Archival Matte x50shts... **£54.99**  
 Ilford Galerie Smooth Gloss x25sht... **£29.99**  
 Ilford Galerie Smooth Pearl x25sht... **£29.99**

**A4 Paper**  
 Canon PR201 Pro Paper x20shts - WSL... **£15.99**  
 Canon PT101 Platinum Pro x20shts... **£25.99**  
 Epson A4 Gloss 225gsm x10shts... **£14.99**  
**BUY 1 GET 1 FREE**  
 Epson Archival Matte x50shts... **£16.99**  
 Ilford Galerie Classic Gloss x25sht... **£9.97**  
 Ilford Galerie Smooth Pearl x25sht... **£11.99**  
 Ilford Galerie Smooth Gloss x25sht... **£12.99**  
 Ilford Galerie Smooth Gloss x35+10sht WSL... **£13.97**  
 Ilford Galerie Smooth High Gloss x25sht... **£15.99**  
 Ilford Galerie Smooth Heavy Matte x50sht... **£12.99**  
 Ilford Galerie Fine Art 190g x10sht... **£13.99**  
 Ilford Galerie Gold Fibre Silk x10sht... **£14.99**  
 Ilford Galerie Limited Edition Pack... **£13.99**  
**INC. £5 VOUCHER ON SELECTED PAPER FOR NEXT VISIT**  
 Lexmark PerfectFinish 255g x150sht... **£9.97**  
**3 FOR 2 (150shts in total)**

**6x4" Paper**  
 Canon PR201 x50shts... **£10.99**  
 Canon KP-36P postcard x36shts... **£14.99**  
 Canon EP50 postcard x50shts... **£16.99**  
 Canon KP-108IN postcard x108shts... **£18.99**  
 Kodak Easyshare media x40shts... **£25.99**  
 Sony SVMF120P Photo Paper Kit... **£34.99**

## GRAPHIC TABLETS

**Wacom**

**Intuos4**  
 The user-defined Touch Ring, with toggle functionality, provides intuitive control of scrolling, zooming, brush size, canvas rotation or layer selection. Intuos4 Medium A5W... **£329.99**

**Bamboo Touch & Pen**  
 The new Bamboo is the first tablet combining multi-touch functionality and pen tablet technology in a single device.

Bamboo Pen & Touch... **£79.99**

## DIGITAL FRAMES

**Sony 10" High Res Frame DPF-X1000NB**  
**£229.99**

**Jacobs 7" Frame**... **£29.99**

**Sony 7" Frame DPF-E72 NBS**  
**HALF PRICE! ONLY £49.99**

**Sony 8" with 1GB mem DPF-D82 B**... **£144.99**

**Sony 8" High Res Frame DPF-V800 B**... **£184.99**

## JACOBS STORE LOCATOR

**CARDIFF**  
 18-19 High Street CF10 1AX  
 T: 0292 028 2005  
 E: cardiff@jacobs-photo.co.uk

**DERBY**  
 52 Saint Peters Street DE1 1SH  
 T: 01332 202 599  
 E: derby@jacobs-photo.co.uk

**EDINBURGH**  
 41-43 Shandwick Place EH2 4RG  
 T: 0131 221 0765  
 E: edinburgh@jacobs-photo.co.uk

**BIRMINGHAM**  
 97 Corporation Street B2 4UG  
 T: 0121 233 4196  
 E: birmingham@jacobs-photo.co.uk

**BRISTOL**  
 88 Whiteladies Road BS8 2QN  
 T: 0117 973 3610  
 E: bristol@jacobs-photo.co.uk

**HULL**  
 76 Prospect Street HU2 8PW  
 T: 01482 226 170  
 E: hull@jacobs-photo.co.uk

**LEEDS**  
 82 Albion Street LS1 6AD  
 T: 0113 245 1451  
 E: leeds@jacobs-photo.co.uk

**LEICESTER**  
 61 Granby Street LE1 6ER  
 T: 0116 254 4572  
 E: granby@jacobs-photo.co.uk

**LIVERPOOL**  
 54 Bold Street L1 4EA  
 T: 0151 709 3733  
 E: liverpool@jacobs-photo.co.uk

**LONDON - WEST END**  
 74 New Oxford St WC1A 1EU  
 T: 020 7436 5544  
 E: london@jacobs-photo.co.uk

**LONDON - CITY**  
 124-126 Cannon St EC4N 6AS  
 T: 020 7621 1621  
 E: cannonst@jacobs-photo.co.uk

**LONDON - CHELSEA**  
 187 Kings Road SW3 5EB  
 T: 020 7351 6481  
 E: chelsea@jacobs-photo.co.uk

**LONDON - WESTMINSTER**  
 34 Broadway SW1H 0BH  
 T: 020 7233 1605  
 E: westminster@jacobs-photo.co.uk

**MANCHESTER**  
 16 Cross Street M2 7AE  
 T: 0161 834 7500  
 E: manchester@jacobs-photo.co.uk

**NEWCASTLE**  
 55-57 Clayton Street NE1 5PW  
 T: 0191 233 2678  
 E: newcastle@jacobs-photo.co.uk

**NOTTINGHAM**  
 22 King Street NG1 2AS  
 T: 0115 941 2178  
 E: nottingham@jacobs-photo.co.uk

E&OE. Prices correct at time of print. Subject to availability. Promotions not in conjunction with any other offer. Prices inc. VAT at 17.5%. \*Cashbacks are included in the advertised price and are to be claimed direct from manufacturer, end dates vary.

• LONDON WEST END • LONDON CITY • LONDON WESTMINSTER • MANCHESTER • NOTTINGHAM • NEWCASTLE





Ask the experts at  
**londoncameraexchange**  
28 branches nationwide



28 local branches at:

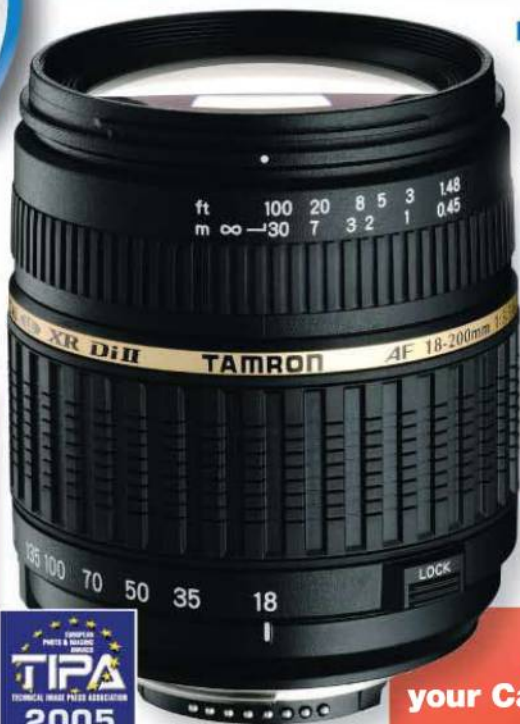
**Bath** 13 Cheap Street  
Tel: 01225 462234  
**Bristol** Baldwin Street  
Tel: 0117 929 1935  
**Bristol** 53 The Horsefair  
Tel: 0117 9276185  
**Chester** 9 Bridge Street Row  
Tel: 01244 326 531  
**Chesterfield** 1a South Street  
Tel: 01246 211891  
**Cheltenham** 10-12 The Promenade  
Tel: 01242 519851  
**Colchester** 12 Eld Lane  
Tel: 01206 573444  
**Derby** 17 Sadler Gate  
Tel: 01332 348644  
**Exeter** 174 Fore Street  
Tel: 01392 279024  
**Fareham** 135 West Street  
Tel: 01329 236441  
**Gloucester** 12 Southgate Street  
Tel: 01452 304513  
**Guildford** 8/9 Tunsgate  
Tel: 01483 504040  
**Leamington** Clarendon Avenue  
Tel: 01926 886166  
**London** 98 The Strand  
Tel: 020 7379 0200  
**Lincoln** 6 Silver Street  
Tel: 01522 514131  
**Manchester** 37 Parker St.  
Tel: 0161 236 5819  
**Norwich** 12 Timber Hill  
Tel: 01603 612 537  
**Nottingham** 7 Pelham Street  
Tel: 0115 9417486  
**Paignton** 71 Hyde Road  
Tel: 01803 553077  
**Plymouth** 10 Frankfort Gate  
Tel: 01752 664894  
**Portsmouth** Cascades Centre  
Tel: 023 92839933  
**Reading** 7 Station Road  
Tel: 0118 9592149  
**Salisbury** 6 Queen Street  
Tel: 01722 335436  
**Southampton** 10 High Street  
Tel: 023 8022 1597  
**Southampton** 11 Civic Centre Rd  
Tel: 023 8033 1720  
**Taunton** 6 North Street  
Tel: 01823 259955  
**Winnchester** 15 The Square  
Tel: 01962 866203  
**Worcester** 8 Pump Street  
Tel: 01905 22314

Most branches open 9am-5.30pm Mon-Sat.  
Please check your local store for availability  
before making a special journey.

**UK Mail Order** Next day delivery available  
from all LCE branches Postage  
& Insurance £7 for most items.



E. & O. E. Prices quoted include  
VAT @ 17.5%. Prices subject to change.  
Goods subject to availability.



## TAMRON AF18-200mm

F/3.5-6.3 XR Di-II LD Aspherical (IF) Macro  
High-powered zoom lens designed for Digital SLRs,  
incorporating XR (Extra Refractive Index) glass for  
remarkable lightweight and compactness.

- Multi-coated with internal surface coating to reduce ghosting and flare with outstanding resolution performance
- Minimum focusing distance of just 0.45m
- 1:3.7 Macro capability
- Zoom lock mechanism prevents unwanted barrel extension when carrying the lens
- Accepts 62mm filters

Only available in Canon EOS fit.

only **£149.99\***

\*when you  
part-exchange  
your Canon 18-55mm  
standard lens



or **£169.99** without trade-in

## HOYA PRO1 Digital

Digital cameras need multicoated filters:

Digital camera CCD or CMOS sensors are highly susceptible to reflections - this stray light can ruin your photographs! Don't risk your valuable photos by using bare-glass filters.

**The Clear Advantage:**  
HOYA Digital Multi-Coated filters substantially reduced reflections can improve your image. Reduced internal reflections mean a clearer image with greater contrast.

### Protector filter

Protect your valued lenses

The ultimate in clear filters. Does not affect the color balance or performance of your lenses in the slightest. However, constant use will protect your valued lenses from expensive front element damage which could be caused by dirt, knocks or scratches.

Available sizes: 52-82mm

**30% OFF**  
**HOYA PRO1 Digital**  
**Protector filter**



Give us your old filter  
and we will give you  
30% off a Hoya PRO1  
Digital Protector filter.

Any make, any model, any condition. Only  
available in-store on production of this advert.

Search our used equipment selection at:

**www.LCEgroup.co.uk**

or follow us on:  
**twitter**

worldmags & avaxhome



# Come talk to the experts!

We know Cameras, we know Accessories.  
We also share your passion for photography.



**NIKON D90 BODY ONLY**  
**£649**

D90 + 18-105mm VR **£771.99**  
D90 + 70-300mm VR **£1079.99**  
D90 + 18-200mm VR **£1239.99**



**NIKON D700 BODY ONLY**  
**£1763.99**

D700 + 16-35mm VR **£2678.99**  
D700 + 24-70mm VR **£2968.99**  
D700 + 70-200mm **£3406.98**



**CANON 500D BODY ONLY**  
**£519.99**

500D + 18-55mm IS **£588.99**  
500D + 18-135mm IS **£749**  
500D + 18-55 + 55-250mm **£786.99**



**+FREE  
CANON BAG†  
worth £79.99**

**CANON 50D BODY ONLY**  
**£689**

50D + 17-85mm IS **£898**  
50D + 17-85mm IS + 70-300mm IS U **£998**

†While stocks last



**+FREE  
BAG & BATTERY†  
worth £94.98**

**D5000  
BODY ONLY**  
**£468**



**SAVE  
£362 on RRP  
RRP £1499.99**

**D300s  
BODY ONLY**  
**£1137.99**



**SAVE  
£611 on RRP  
RRP £4199**

**D3s  
BODY ONLY**  
**£3588**



**SAVE  
£1060 on RRP  
RRP £4779.99**

**D3x  
BODY ONLY**  
**£4834**



**EOS 550D  
BODY ONLY**  
**£633.99**

550D + 18-55mm .....**£689**  
550D + 18-135mm .....**£898**  
550D + 18-55mm + 55-250mm .....**£893.99**  
7D + 15-85mm .....**£1693.89**



**+FREE  
CANON BAG†  
worth £79.99**

**EOS 7D  
BODY ONLY**  
**£1219**

†While stocks last



**EOS 5D MKII  
FROM**  
**£1689.89**

7D + 18-135mm .....**£1461.99**  
5D MKII + 24-105mm f4.0L .....**£2318.89**  
5D MKII + 24-70mm f2.8 .....**£2558.89**



**SAVE  
£1060 on RRP  
RRP £4779.99**

**1D MKIV  
BODY ONLY**  
**£3719**



Nikon Capture NX2 .....**£129.95**  
Nikon Capture NX2 Upgrade .....**£79.99**

D5000 + 18-55mm VR .....**£509**  
D5000 + 18-105mm VR .....**£598.99**  
D5000 + 18-55mm + 55-200mm VR .....**£698.99**  
D300s + 16-85mm VR .....**£1463.99**



**A450  
FROM**  
**£414**



**+FREE  
55-200mm†  
worth £189**

**A550 + 18-55+  
FREE 55-200mm**  
**£609**

†While stocks last



**+FREE  
Grip & Battery†  
worth £354.50**

**A850  
FROM**  
**£1859**

†While stocks last



**+FREE  
Grip & Battery†  
worth £354.50**

**A900  
FROM**  
**£1998**

†While stocks last



**+FREE  
ACCESSORIES†  
worth £99**

NEX-5 + 16mm .....**£549**  
NEX-5 + 18-55mm .....**£589**  
NEX-5 + 16mm + 18-55mm .....**£679**

†While stocks last

A450 + 18-55mm .....**£479**  
A450 + 18-55mm + 55-200mm .....**£629**  
**NEW! A290 + 18-55mm .....£397**  
A550 + 18-55mm .....**£609**  
**NEW! A390 + 18-55mm .....£447**  
A850 + 28-75mm .....**£2149**  
NEX-3 Prices start from .....**£449**



**E-620  
BODY ONLY**  
**£499.99**

E-620 + 14-42mm .....**£589**  
E-620 + 25mm Pancake .....**£619.99**  
E-620 + 14-42mm + 40-150mm .....**£694**



**SAVE  
£70.99 on RRP  
RRP £549.99**

**E-PL1  
+ 14-42mm**  
**£479**



**SAVE  
£135 on RRP  
RRP £919.99**

**E-P2  
+ 14-42mm**  
**£784.99**



**IS Pro Digital  
BODY ONLY**  
**£599.99**

E-PL1 Body only .....**£449**  
E-PL1 + 14-42mm + 40-150mm .....**£624**  
E-P2 Body only .....**£744**

See more DSLR, Lenses & Accessories on our website at  
**[www.warehouseexpress.com](http://www.warehouseexpress.com)**



**K-x + 18-55  
+ 55-300mm**  
**£569**



**SAVE  
£404 on RRP  
RRP £1199.99**

**K-7  
FROM**  
**£795.99**



**GF-1  
+ 14-45mm**  
**£548.99**



**GF-1  
+ 20mm**  
**£644.99**



**G2  
+ 20mm**  
**£589**



**SD15  
BODY ONLY**  
**£798.99**

**TERMS AND CONDITIONS:** All prices incl. VAT at 17.5%.  
FREE Delivery\*\* available on orders over £250 (based on a 4 day delivery service). For Next Working Day Delivery our charges are: £4.99\*\* for orders over £100. £3.99\*\* for orders under £100. Saturday deliveries are charged at a flat rate of £7.50\*\*. (\*\*Deliveries to some European countries, N.Ireland, remote areas of Scotland & Ch. Isles are subject to extra charges.) E. & O.E. Prices subject to change. Goods subject to availability. Live Chat operates between 8am-8pm Mon-Fri and may not be available during peak periods. ©Warehouse Express 2010.  
\*CASHBACKS Are redeemed via product registration with the manufacturer. Please refer to our website for details.  
**WAREHOUSE EXPRESS SHOWROOM**  
Mon-Sat 10am-6pm, Sun 10am-4pm.  
Unit 8, Frenbury Estate, Norwich, Norfolk, NR6 5DP.



# When do you want it? before 9am, before 12pm

 <p><b>SAVE £40 on RRP</b> RRP £129.99</p> <p><b>CANON EF 50mm f1.8 II</b> <b>£89.99</b></p>	 <p><b>SAVE £110</b> WAS £869</p> <p><b>EF 100mm f2.8L Macro IS USM</b> <b>£759</b></p>	 <p><b>EF 70-300mm f4-5.6 IS USM</b> <b>£427.99</b></p>	 <p><b>EF 85mm f1.8 USM</b> <b>£318.99</b></p>	 <p><b>EF 24-70mm f2.8 L USM</b> <b>£998.99</b></p>	 <p><b>AF-S 50mm f1.4 G</b> <b>£297.99</b></p>	 <p><b>AF-S 35mm f1.8 G DX</b> <b>£166.99</b></p>	 <p><b>AF-S 24-70mm f2.8 G ED</b> <b>£1189</b></p>	 <p><b>SAVE £371.01</b> WAS £1999</p> <p><b>AF-S 70-200mm f2.8G ED VR II</b> <b>£1627.99</b></p>
---	--	--	---	--	--	--	---	---

 <p><b>55-300mm DA ED</b> <b>£269.99</b></p>	 <p><b>70-300mm f4-5.6 Zuiko Digital ED</b> <b>£339</b></p>	 <p><b>30mm f2.8 SAM DT Macro</b> <b>£159</b></p>	 <p><b>18-200mm f3.5-6.3 XR D II</b> <b>£169.99</b></p>	 <p><b>55-200mm f4-5.6 Di II LD Macro</b> <b>£104.99</b></p>	 <p><b>70-300mm f4-5.6 Di w/AF Motor</b> <b>£131.99</b></p>	 <p><b>SAVE £200</b> WAS £649.99</p> <p><b>10-20mm f3.5 EX DC HSM</b> <b>£449.99</b></p>	 <p><b>+FREE UV FILTER worth £48.99</b></p> <p><b>18-250mm f3.5-6.3 DC OS HSM</b> <b>£399.99</b></p>	 <p><b>SIGMA 10-20mm f4-5.6 EX DC HSM</b> <b>£399.99</b></p>
--	--	--	--	---	--	--	---	---

CANON	100mm f2.8 USM Macro	£434.99	SIGMA	50mm f1.4 EX DG HSM	£379.99
CANON	16-35mm f2.8 L MK II	£1184.99	SIGMA	105mm f2.8 EX DG Macro	£373.99
CANON	17-40mm f4 L USM	£622.99	SIGMA	17-70mm f2.8-4 DC Macro OS HSM	£328.99
CANON	18-55mm f3.5-5.6 IS	£147.89	SIGMA	18-200mm f3.5-6.3 DC OS HSM	£289.99
CANON	55-250mm f4-5.6 IS	£218.99	SIGMA	70-300mm f4-5.6 APO Macro Super DG	£173.99
CANON	100-400mm f4.5-5.6 L IS USM	£1268	SIGMA	120-400mm f4.5-5.6 DG OS HSM	£639.99
NIKON	24mm f3.5D ED PC-E	£1369.99	SIGMA	150-500mm f5-6.3 DG OS HSM	£749.99
NIKON	50mm f1.4 D AF	£228.99	TAMRON	17-50mm f2.8 XR Di-II LD ASP IF	£334.99
NIKON	50mm f1.8 D AF	£106.99	OLYMPUS	9-18mm f4-5.6 Zuiko Digital ED (Four Thirds)	£469
NIKON	105mm f2.8 G AF-S VR IF ED Micro	£604.99	SONY	50mm f1.8 SAM DT	£139.99
NIKON	14-24mm f2.8 G AF-S ED	£1278.99	SONY	75-300mm f4.5-5.6 DT	£189

 <p><b>SANDISK Ext. 8GB 400x UDMA</b> <b>£67.99</b></p>	 <p><b>SANDISK Ext. III 4GB 30MB/Sec SDHC</b> <b>£28.99</b></p>	 <p><b>SAVE over 10%</b> WAS £19.99</p> <p><b>SANDISK ImageMate Reader 5in1 MultiCard USB 2.0</b> <b>£17.49</b></p>	 <p><b>SAVE £16 on TSSP</b> (TSSP £41.98)</p> <p><b>WEXPRO 4GB 150x SDHC Twin Pack</b> <b>£24.99</b></p>	 <p><b>CANON LP-E6 Battery (SDMK II/7D)</b> <b>£69.99</b></p>	 <p><b>CANON BG-E7 Battery Grip (EOS 7D II Grip)</b> <b>£189.99</b></p>	 <p><b>FLIGHT LOGISTICS Sun Position Compass</b> <b>£19</b></p>	 <p><b>B-GRIP Camera Holder</b> <b>£49.95</b></p>
 <p><b>LEXAR 4GB 300x UDMA Professional</b> <b>£47.99</b></p>	 <p><b>LEXAR Pro USB UDMA &amp; SD Card Reader</b> <b>£24.99</b></p>	 <p><b>PANASONIC 4GB Class 10 SDHC</b> <b>£20.99</b></p>	 <p><b>EYE-FI Connect x2 4GB Wireless SDHC</b> <b>£49.99</b></p>	 <p><b>CANON RC-6 Wireless Remote</b> <b>£16.99</b></p>	 <p><b>NIKON ML-L3 Wireless Remote</b> <b>£16.49</b></p>	 <p><b>VISIBLE DUST Arctic Butterfly 724 Brite Vue</b> <b>£69.99</b></p>	 <p><b>JOBY Gorillapod</b> <b>£14.99</b></p>

<b>SANDISK</b> .....From	<b>WEXPRO</b> .....From	<b>BATTERIES &amp; GRIPS</b> .....From	<b>PHOTO GADGETS</b> .....From
Ultra II SD .....£10.49	UDMA 305x .....£14.99	Canon Fit .....£11	Black Rapid RS-7 Strap ..£55
Ultra II CF .....£17.99	55x CF .....£14.67	Nikon Fit <b>HALF PRICE!</b> .....£12.99	Wimberley The Plamp ..£29.31
Extreme III SDHC .....£28.99	55x SD .....£6.99	Canon Fit Grips .....£59.99	Lensbaby Composer .....£164.89
Extreme UDMA CF .....£67.99	150x SDHC .....£20.99	Nikon Fit Grips .....£68.50	Lensbaby Control Freak £299.99
Extreme Pro 600x CF .....£179	<b>PANASONIC</b> .....From	Sony Fit Grips .....£89.99	Wacom Graphic Tablets £49.99
Video HD Ultra II .....£14.99	Class 2 SDHC .....£7.49	<b>REMOTES</b> .....From	ExpoDisc Depth of Field Guide ..£26.99
<b>LEXAR</b> .....From	Class 4 SDHC .....£9.49	Canon .....£16.99	<b>CAMERA CLEANING</b> .....Only
UDMA 300x .....£47.99	<b>EYE-FI (Wireless SDHC)</b> ..Only	Nikon .....£16.49	Visible Dust Hurricane Blower ..£9.99
233x CF .....£58.99	Connect x2 4GB .....£49.99	Sony .....£26.99	Visible Dust Arctic Butterfly 724 Brite Vue & Sensor Loupe£119.99
60x SDHC .....£12.99	Geo x2 4GB .....£69.99	Olympus .....£24.99	
133x SDHC .....£25.99	Explore x2 8GB .....£99.99	Pentax .....£17.99	
HD Vid. SDHC .....£13.99	Pro x2 8GB .....£109	Hahnel .....£24.46	



**on UK orders  
over £250**

- 4 Day Delivery Service
- Monday-Friday delivery between 8am-5pm



**01603 208761**

**CALL US Mon-Fri 8am-8pm**

Or visit our website at [www.warehouseexpress.com](http://www.warehouseexpress.com)

**or on Saturday?... check our website for details**



**B+W 77mm  
MRC Clear UV  
Haze Filter**  
**£69.99**



**77mm 3.0/  
1000x Neutral  
Density Filter**  
**£79.99**



**SIGMA  
72mm DG UV  
Filter**  
**£48.99**



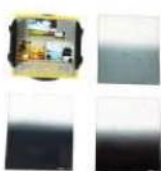
**SIGMA  
86mm EX DG  
UV Filter**  
**£79.99**

**HOYA**



**HOYA 52mm  
Pro1 Digital  
UV Filter**  
**£34.99**

**cokin**



**COKIN  
H250A ND Gradual  
Filter Kit**  
**£49.99**

**LEE**



**LEE Big Stopper  
10x Neutral Density Filter**  
**£89.99**  
(Holder available separately)

**HOYA UV Filters  
prices from:**

55mm	£37.99
58mm	£39.99
62mm	£43.99
67mm	£49.99
82mm	£69.99

**COKIN Filters prices from:**

P154 Grey ND8X	£13.99
P153 Grey ND4X	£13.99
P121M Gradual Grey G2	
Medium ND4	£17.99
U960 Pro ND-Grad Filter	
Kit	£139



We also sell LEE &  
COKIN Filter Holders  
Prices FROM  
**£11.99**

**Expert advice is just a  
click or drive away**



**LIVE CHAT** Chat online, in  
real-time, with one of our experts

**PRODUCT REVIEWS**

by Pro-Photographers and Customers



**WEXBLOG** Read news,  
reviews and guides on our Blog

**SHOWROOM**

Full range in 4,000 Sq. Ft

Open 7 days. Frenbury Est. Norwich. NR6 5DP.

[www.warehouseexpress.com](http://www.warehouseexpress.com)

Be in the know with latest deals, seminars and competitions...



Become a fan!  
We are on facebook



Follow us!  
@WEXTweets



Sign up!  
to our Newsletter

**Canon**



**CANON PowerShot G11**  
**£419**

**Canon**



**+FREE  
8GB ExtIII  
SDHC worth  
£59.99**

**CANON Ixus 300 HS**  
**PRE-ORDER £379**

**NEW!**

**SAVE  
£50  
on RRP was  
£349.99**



**NIKON Coolpix P100**  
**£299.99**

**Panasonic**



**SAVE  
£80  
on RRP was  
£319.99**

**PANASONIC Lumix FZ-38**  
**£239.99**



**PowerShot  
S90**  
**£318**



**PowerShot  
SX210 IS**  
**£274**



**PowerShot  
SX210 IS**  
**£159.99**



**PowerShot  
SX20 IS**  
**£299**



**Coolpix  
S8000**  
**£209.99**



**SP-600  
UZ**  
**£204**



**SONY CyberShot  
HX5**  
**£289**



**FUJIFILM FinePix  
HS10**  
**£374.99**

**CANON DIGITAL COMPACTS**

PowerShot A495	£88
PowerShot A3100	£119.99
PowerShot D10	£229
IXUS 105 IS	£144
IXUS 130 IS	£209.99
IXUS 210 IS	£264

**NIKON DIGITAL COMPACTS**

Coolpix L21	£68.99
Coolpix L22	£69.99
Coolpix S3000	£94.99
Coolpix L110	£169
Coolpix S1000pj	£309

**SONY DIGITAL COMPACTS**

Cyber-Shot W350	£144
Cyber-Shot W380	£169
Cyber-Shot H55	£204.99
Cyber-Shot TX5	£269
Cyber-Shot TX7	£309
Cyber-Shot HX1	£349

**PANASONIC DIGITAL COMPACTS**

Lumix FS10	£114.99
Lumix FS33	£159
Lumix ZX3	£219
Lumix TZ10	£269
Lumix FT2	£294

**FUJIFILM DIGITAL COMPACTS**

FinePix AV100	£64
FinePix XP10	£129
FinePix S1800	£159.99
FinePix F80 EXR	£169
FinePix S2500 HD	£178
FinePix Z700 EXR	£179.99
FE-4040	£119.99
Tough 3000	£144
Mju 9010	£204
Tough 6020	£209
SP-800	£299.99

**Visit our website for more  
Compacts & Accessories**  
[www.warehouseexpress.com](http://www.warehouseexpress.com)

**TERMS AND CONDITIONS:** All prices incl. VAT at 17.5%.  
FREE Delivery\*\* available on orders over £250 (based on a  
4 day delivery service). For Next Working Day Delivery our  
charges are: £4.99\*\* for orders over £100. £3.99\*\* for  
orders under £100. Saturday deliveries are charged at a  
flat rate of £7.50\*\*. (\*\*Deliveries to some European  
countries, N.Ireland, remote areas of Scotland & Ch. Isles  
are subject to extra charges.) E. & O.E. Prices subject to  
change. Goods subject to availability. Live Chat operates  
between 8am-8pm Mon-Fri and may not be available  
during peak periods. ©Warehouse Express 2010.  
\*CASHBACKS Are redeemed via product registration with  
the manufacturer. Please refer to our website for details.  
**WAREHOUSE EXPRESS SHOWROOM**  
Mon-Sat 10am-6pm, Sun 10am-4pm.  
Unit B, Frenbury Estate, Norwich, Norfolk. NR6 5DP.





## Can't find what you're looking for? Call, or



**BOWENS GEMINI KITS**  
FROM **£479**

**GEMINI Kits FROM**  
200/200 Kit.....**£479**  
400/400 Kit.....**£559**  
**NEW!** 500c Kit .....**£799**  
500R Twin Kit .....**£899**  
500R TravelPak Kit **£1339**  
500R Three Hd Kit **£1439**

**Trigger Cards**  
FROM **£73.55**

**Pulsar Trigger**  
**£229.99**

**Softlite Reflector**  
**£105**

**Ringlite Converter**  
**£279.99**

**Reflector Kit**  
**£109**

**Snoot**  
**£64.99**

**60° Reflector + 3 Grids**  
**£132.99**

**Barn Doors**  
**£59.99**

**Lighting Stands**  
FROM **£29**

**Prolinca IR Trigger**  
**£55**

**Quadra RX Set A**  
**£1522.60**

**BXRi 500 Twin Kit**  
**£949**

**Skyport Trigger**  
**£125**

**Snoot & Grid Set**  
**£55**

**18cm Reflector Set**  
**£55**

**18cm Grid Reflector**  
**£39.99**

**135cm Oct Rotalux**  
**£272.63**

**Umbrella Set**  
**£55**



**ELINCHROM D-Lite IT**  
FROM **£209**

**D-LITE IT FROM**  
D-Lite 2 IT Head ....**£209**  
D-Lite 4 IT Head ....**£249**  
D-Lite 2 Twin Kit ....**£529**  
D-Lite 2/4 Twin Kit **£499**  
D-Lite 4 Twin Kit ....**£599**



**Hi-Lite 6x7ft Inc.**  
Train **£279**

**Hi-Lite Bottletop Cover**  
**£64.99**

**Velvet B'Grd with Stand**  
**£109.99**

**100cm Umbrella Kit**  
**£99**

**Baby Poser**  
**£88.99**

**EzyBalance Grey card**  
**£17.99**

**Tilthead Hotshoe**  
**£16.99**

**Background Support**  
**£139.99**

**80cm Dual Duty Umbrella**  
**£21.99**

**EZYBOX HOTSHOE**  
38x38cm.....**£74.99**  
38x38cm Kit .....**£162.99**  
60x60cm.....**£104.99**  
60x60cm Kit .....**£182.99**  
76x76cm.....**£133**  
76x76cm Kit .....**£211**

**Canon 430EX II**  
**£214**

**Nikon SB-900**  
**£316**

**36 AF-4**  
**£75**

**SEKONIC L-308s**  
**£128.99**

**SEKONIC L358**  
**£199**

**PocketWizard Plus II Set**  
**£319**

**PocketWizard Mini & Flex Kit**  
**£569**

**Seculine T2D Kit**  
**£119.99**

**INTERFIT i Sync 4 Kit**  
**£49.99**

**FLASHGUNS**  
**CANON 580EX II** .....**£374.99**  
**NIKON SB600** .....**£229**  
**METZ 48 AF-1** .....**£175**  
**METZ 58 AF-1** .....**£267**  
**SIGMA EF 530 DG ST** .....**£119**  
**SIGMA EF 530 DG SUPER** .....**£199**  
**NISSIN Di622** .....**£109.99**  
**NISSIN Di866** .....**£239**  
**SUNPAK PZ42X** .....**£119.99**  
**MARUMI DRF14 RingFlash** .....**£119**

**FLASHGUN ACCESSORIES**  
**WEXPRO Mini Umbrella Kit** .....**£29.99**  
**INTERFIT Strobies Portrait Kit** .....**£99.99**  
**STOFEN Diffuser** ....**£16.99**  
**LUMIQUEST Gel** ....**£17.99**  
**HONL Accessories FROM** **£8.40**



**MacBook Pro 15.4"/2.4GHz /Intel Core i5/4GB Ram/320GB Hard Drive** ..**£1449**  
**MacBook Pro 15.4"/2.66GHz /Intel Core i7/4GB Ram/500GB Hard Drive** ..**£1699**  
**MacBook Pro 17.0"/2.53GHz/Intel Core i5/4GB Ram/500GB Hard Drive** ..**£1799**



**iMac 21.5"/3.06GHz/Intel Core 2 Duo/4GB Ram/500GB Hard Drive** .....**£949**  
**iMac 27"/3.06GHz/Intel Core 2 Duo/4GB Ram/1TB Hard Drive** .....**£1339**  
**iMac 27"/2.66GHz /Intel Core i5/4GB Ram/1TB Hard Drive** .....**£1594**

**APPLE Mac Mini /2.53GHz/4GB Ram/320GB HD.**  
**£639**

**SEAGATE FreeAgent Go 320GB portable.**  
**£49**

**WD MyBook Studio 1.5TB Hard Drive V2**  
**£119.99**

**LACIE 1TB USB 2.0 Hard Drive**  
**£69**

**IMAGE MANIPULATION SOFTWARE**  
**APPLE Aperture 3**.....**£144**  
**NEW! ADOBE Photoshop CS5 (Mac/Win) FROM**.....**£639**  
**ADOBE Photoshop Elements 8.0** .....**RRP £79.99 £54.99**

**COLOUR MANAGEMENT**  
**COLORVISION Spyder 3 Pro** **£85.99**  
**COLORVISION Spyder 3 Exp** **£62.99**  
**COLORVISION Spyder 3 Elite** .....**£125.99**  
**X-RITE ColorMunki Photo** ..**£298.99**



# Warehouse Express Showroom

Over 11,000 products in stock to touch, try & buy

M-S 10am-6pm, Su 10am-4pm. Frenbury Est. Norwich NR6 5DP

# 01603 208761

## CALL US Mon-Fri 8am-8pm

Or visit our website at [www.warehouseexpress.com](http://www.warehouseexpress.com)

## visit us today... chances are we have it in stock!



**F-2 Original**  
**£194.99**

**F-2 Original (sand)**  
**£124.99**

**F-803 Satchel**  
**£99.99**

**F-8 Shoulder Bag**  
**£65.99**

Billingham

Billingham

Billingham

Billingham



**Hadley Digital**  
**£79.99**



**307**  
**£234**



**Hadley Pro**  
**£114.99**



**550**  
**£349.99**



**DC-445 Case**  
**£38** WAS £52.99



**DR-467i DPS**  
**£69**



**3n1-20 Sling**  
**£89**



**R-102**  
**£119.99** WAS £135.99



**Rezo 110AW**  
**£17.99**



**Toploader Pro 75AW**  
**£74.99**



**LOWEPRO Classified 200 AW**  
**NOW £79.99** WAS £99.99



**Compu-Trekker Plus AW**  
**£149** WAS £219



**Fastpack 250AW**  
**£54.99**



**Rover AWII**  
**£99**



**Vertex 200AW**  
**£114.99**



**Pro 8**  
**£58.99**



**Aerospeed 85**  
**£64.99**



**Expedition 5x**  
**£84.99**



**Expedition 8x**  
**£149**



**Pro Roller x100**  
**£286.99**



**Versapack 200AW**  
**£59.99**



**Slingshot 302 AW**  
**£94.99**



**Lens Trekker 600 AW II**  
**£139.99**



**Grip Action Ball Head for Tripods**  
**322RC2**  
**£89.99**



**3 Way Head for Tripods**  
**804RC2**  
**£49.99**



**Easily position your camera horizontally**  
**055XPROB**  
**£114.99**



**Lighter than the 055XPROB**  
**190XPROB**  
**£104**



**Integral Head that allows 360 positioning**  
**190XDB + 056 Kit**  
**£74**



**+ FREE 234RC Head worth £24 (ends 31.07.10)**  
**694CX MONOPOD**  
**£117.40**



**MANFROTTO 190CXPRO4 Tripod**  
**£209.95**



**A.M.T. Super Titanium alloy legs**  
**Pro 700DX**  
**£119.99**



**A Monopod/Tripod/Hiking stick in one!**  
**Go Pro**  
**£109.99**



**With quick action lever leg locks**  
**MTL9261B**  
**£74.99**



**Adjustable column Carbon Fibre Tripod**  
**MTL8360B**  
**£165.99**



**Built in spirit level on the plate**  
**GT3530LS Series 3**  
**£449**



**Legs are scaled for precise set up**  
**GEO E640**  
**£219.99**

**TERMS AND CONDITIONS:** All prices incl. VAT at 17.5%. FREE Delivery<sup>TM</sup> available on orders over £250 (based on a 4 day delivery service). For Next Working Day Delivery our charges are: £4.99<sup>TM</sup> for orders over £100. £3.99<sup>TM</sup> for orders under £100. Saturday deliveries are charged at a flat rate of £7.50<sup>TM</sup>. (\*Deliveries to some European countries, N.Ireland, remote areas of Scotland & Ch. Isles are subject to extra charges.) E. & O.E. Prices subject to change. Goods subject to availability. Live Chat operates between 8am-8pm Mon-Fri and may not be available during peak periods. ©Warehouse Express 2010. **CASHBACKS** Are redeemed via product registration with the manufacturer. Please refer to our website for details. **WAREHOUSE EXPRESS SHOWROOM** Mon-Sat 10am-6pm, Sun 10am-4pm. Unit 8, Frenbury Estate, Norwich, Norfolk. NR6 5DP.



PART EXCHANGE WELCOME.  
Call Us or email for a competitive quote

## 10% OFF ALL USED CANON 1-SERIES

**Canon**



EOS 1D MK III	NOW £1340
EOS 1DS MK II	NOW £1800
EOS 1D MK IIN	NOW £900
EOS 1DS MK II	NOW £1620
EOS 1D MK III	NOW £1340

### Canon Used Equipment

EF 24-70mm f2.8L	£900
EF 100-400mm f4.5-5.6L	£900
EOS 5D MK II	£1400
EOS 5D	£600
EF 70-300mm f4.5-5.6 DO	£700
EF-S 17-85mm f4-5.6 IS	£320
EF 200mm f2 L IS	£3800
20D & BG-E2 Grip	£250
EOS 5D & BG-E4 Grip	£800
EOS 30D	£329



### Used Equipment

D200	£450
18-200mm f3.5-5.6 VR	£450
D300s	£900
24-120mm f3.5-5.6 VR	£400
10.5mm fisheye	£550
17-55mm f2.8	£700
200mm f2 VR	£2800
80-400mm f4.5-5.6	£1000
12-24mm f4	£600

ALL PRODUCTS ARE UK STOCK E.&O.E. PRICES SUBJECT TO CHANGE. GOODS SUBJECT TO AVAILABILITY. ALL PRICES INCLUDE VAT AT STANDARD RATE OF 17.5%

**PENTAX**  
**K-x**



**£399.99**

Selected colours in stock now.  
Other colours are available  
to order.

www.cameraclean.co.uk • Telephone 01793 855663



## DEDICATED TO SAFE SENSOR CLEANING

**DRY CLEANING**  
**MADE SAFER**

**DUST-AID**  
*Platinum*

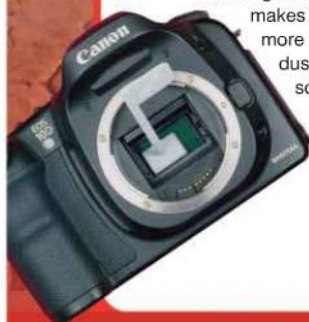


**DUST-AID™ Platinum**  
takes dry sensor cleaning  
to a whole new level.

We've taken dry sensor filter cleaning to a whole new level with the introduction of our new, patent pending, Platinum DSLR Cleaner. It's now possible to clean any sensor filter no matter its coating or internal dust removal system (IDRS) filter housing. And to top it off, it can clean its own platinum cured cleaning silicone with specially made cleaning strips, extending its cleaning life span.

Safely cleans all sensor filters. The specially engineered cleaning silicone used in the new Platinum DSLR Cleaner makes it perfectly safe to use on any sensor filter. No more dragging dry brushes and their accumulated dust across the sensor filter, which could lead to scratching. Now, just press and lift a couple of times and your done!

- Safe and easy to use
- No bulky aerosols
- No brushes to clean
- Light and compact (take it everywhere)
- Low cost per clean



**WET CLEANING**  
**MADE FASTER**

**DUST-WAND**



**Dust-Aid's DUST-WAND™ KIT**  
brings versatility and reduced costs  
to DSLR sensor filter wet cleaning.

This do-it-yourself wrapping kit is a very cost effective way to clean welded-on dust from your entire collection of DSLR camera bodies. The versatility comes from the three included DUST-WAND's needed to clean any sensor aspect ratio, 1.6 (14mm), 1.3 (16mm) and 1.0 (18mm).

When it comes to cleaning liquid evaporation speed, then there is none faster than ULTRA CLEAN™. This non-flammable and non-alcohol based liquid is one of the fastest evaporating liquids on the planet, which makes it virtually impossible for it to seep under the sensor filter frame.

- Very low cost per clean
- Highly effective at removing welded on dust spots
- Works with all sensor types and sizes
- Non flammable and non-water based cleaning solution
- Choice of low cost refill packs

Always ensure that all dry dust is removed from the sensor surface before wet cleaning the sensor i.e use Dust-Aid Platinum first, then the Dust-Wand kit to clean off any stubborn contamination.



Distributed in the UK by Just Ltd. The Old Shop, Hook, Swindon SN4 8EA • see [www.cameraclean.co.uk](http://www.cameraclean.co.uk) for a dealer list







# PARKCameras

KEEPING YOU IN THE PICTURE



## People Photography for Beginners with John Clements - 16th July 2010

People are simply a wonderful photographic subject to tackle. This workshop is for anyone with a digital SLR and designed to take everything from the ground up, for those starting out, so they can create quality images quickly, with confidence, and enjoy the process.

Only  
**£119.99!**

For full details and to book your place, please visit [www.ParkCameras.com](http://www.ParkCameras.com)

## Superb Service and Competitive Prices - all at Park Cameras

### Nikon Dealer

Redraw your Boundaries with the Nikon D3s

Body SRP £4,290.99



**D3s**  
2 YEAR WARRANTY

Body Price  
**£3,594.00**

Body SRP £1,499.99



**D300s**  
2 YEAR WARRANTY

Body Price  
**£1,137.99** +18-200 VR II  
**£1,678.99**

- 12.1 megapixel FX (full-frame) CMOS sensor
- ISO 200 - 12,800
- 9fps consecutive shooting (11fps in DX Crop mode)
- D-Movie records high-definition (HD) movie clips
- 3-inch VGA LCD monitor
- Durable Magnesium alloy body

For the latest LOW Price on the Nikon D3s, as well as a variety of money saving offers, please visit [www.ParkCameras.com](http://www.ParkCameras.com)

Exceptional Agility. Creative Command.

- 12.3 megapixel DX format CMOS image sensor
- 7 fps continuous shooting
- Records beautiful, high-definition (HD) movie clips
- ISO 200-3200 extendable up to ISO 6400
- D-Movie with stereo microphone terminal
- Dual card slots for CF/SD memory cards

Please see our website for the latest LOW PRICES and further money saving offers!!

### ADD YOUR ACCESSORIES - WHEN BOUGHT WITH DEALS

SanDisk 8GB Ext. III SD (133x)	£44.99*	Kata DR-465 DPS Rucksack	£35.00*
Nikon EN-EL9a Batt (D3000)	£54.99	Nikon EN-EL3e Batt (D300s)	£45.00*
Nikon CF-DC1 Case (D3000)	£45.99	Nikon CF-D200 Case (D300s)	£59.99*
Nikon SB-900 Speedlight	£234.99*	Nikon SB-900 Speedlight	£319.99*

#### COMPACT D-SLR

### Nikon D5000

A powerful and versatile SLR camera that delivers superb still images & high definition D-movie clips with sound.

D5000 + 18-55mm VR	£519.00
Nikon CF-DC2 Semi Soft Case	£40.99
Nikon EN-EL9a Battery	£39.99

#### FULL FRAME D-SLR

### Nikon D700

The D700 incorporates groundbreaking technologies and performance into a discreetly-sized body.

D700 + 105mm VR Micro	£2,389.98
D700 + 14-24mm f/2.8 ED	£3,099.98
Nikon EN-EL3e Battery	£50.00

#### EVEN MORE NIKON

Coolpix L22	£69.99
Coolpix L221	£79.99
Coolpix S220	£99.99
Coolpix S570 Silver	£99.99
Coolpix S3000 As seen on TV!	£99.99
Coolpix L110	£179.99
Coolpix S8000 As seen on TV!	£229.99
Coolpix S640 (2)	£199.99
Coolpix S1000pj	£259.99
Coolpix P100	See Web

#### COMPACT D-SLR

### Nikon D90

The D90 fuses technology from Nikon's flagship DSLRs with an array of functions to help you achieve superior results.

D90 + 18-105mm VR	£771.99
Nikon CF-D80 Semi Soft Case	£46.99
Nikon EN-EL3e Battery	£50.00

#### FULL FRAME D-SLR

### Nikon D3x

The D3x redefines high resolution SLR photography, whether you shoot in the studio or out on location.

D3x + 24-70mm f/2.8 ED	£6,013.99
D3x + 14-24mm f/2.8 ED	£6,119.98
Nikon EN-EL4a Battery	£100.00

#### I AM EXCELLENCE



In stock at only **£209.99**  
SRP £249.99  
or + Nikon CS-S22 Case  
+ 4GB SD Card **£234.99**

#### NIKON LENSES

AF-G 10.5mm f/2.8 ED DX Fisheye	£539.99
AF-D 14mm f/2.8	£1,225.00
AF-D 16mm f/2.8	£597.99
AF-D 20mm f/2.8	£459.00
AF-S 24mm f/1.4 G ED	NEW £1,894.99
AF-D 24mm f/2.8	£328.99
PC-E 24mm f/3.5D ED Manual Focus	£1,389.99
AF-D 28mm f/2.8	£224.99
AF-D 35mm f/2.0	£255.00
AF-S 35mm f/1.8 DX	£167.99
PC-E 45mm f/2.8D ED Micro	£1,389.99
AF-D 50mm f/1.4	£235.00
AF-S 50mm f/1.4G	£298.00
AF-D 50mm f/1.8	£109.99
AF-S 60mm f/2.8G Micro ED	£399.99
AF-S 85mm f/3.5G DX Micro	£399.99
AF-D 85mm f/1.8D	£304.99
AF-D 85mm f/1.4 (IF)	£999.00
AF-S 105mm f/2.8G VR IF-ED Micro	£609.99
PC-E 85mm f/2.8D ED Micro	£1,389.99
AF-DC 105mm f/2.0	£799.00
AF-D 135mm f/2.8	£969.99
AF-D 180mm f/2.8 IF ED	£619.00
AF-D 200mm f/4D IF ED Micro	£1,135.00
AF-S 200mm f/2G IF ED VR	£3,069.00
AF-S 300mm f/2.8G ED VR II	NEW See Web
AF-S 300mm f/4D IF ED	£969.99
AF-S 400mm f/2.8G ED VR	£6,599.00
AF-S 500mm f/4G ED VR	£5,949.99
AF-S 600mm f/4G ED VR	£6,999.99
AF-S 10-24mm f/3.5-5.6G DX ED	£599.99
AF-S DX 12-24mm f/4G IF ED	£819.00
AF-S 14-24mm f/2.8G ED	£1,299.00
AF-S DX 16-35mm f/4G ED VR	NEW £949.99
AF-S DX 16-85mm f/3.5-5.6G ED VR	£399.99
AF-S 17-55mm f/2.8G IF-ED DX	£1,065.00
AF-S DX 18-55mm f/3.5-5.6G II	£85.00
AF-S 18-105mm f/3.5-5.6G II	£80.00
AF-S 18-105mm f/3.5-5.6G ED VR	£170.00
AF-S 18-200mm f/3.5-5.6G ED VR II	£539.99
AF-S 24-70mm f/2.8G ED	£1,199.00
AF-D 24-85mm f/2.8	£518.99
AF-S 24-120mm f/3.5-5.6G IF ED VR	£549.99
AF-S 55-200mm f/4.5-5.6G DX Black	£189.99
AF-S 55-200mm f/4.5-5.6G VR DX	£189.99
AF-S 70-200mm f/2.8G (IF) VR ED II	£1,628.99
AF-S 70-300mm f/4.5-5.6G IF ED VR	£403.99
AF-D 80-400mm f/4.5-5.6D ED VR II	£1,179.99
AF-S 200-400mm f/4G IF ED VR II	£6,248.99
TC-17E 1.7x AF-S Teleconverter	£1,199.00
TC-20E II 2.0x AF-S Teleconverter	£249.99

#### NIKON BATTERIES

EN-EL5 (Coolpix 4200/5200/7900)	£38.99
EN-EL10 (Coolpix S500/S520)	£38.99
EN-EL11 (Coolpix S550)	£38.99
EN-MH1 (Coolpix 7600) (19)	£1.50
EN-EL9 (D40/D40x)	£40.00
EN-EL3e (D3000/D2000/D80/D700)	£50.00
EN-4 (D1x, D1H, D1)	£101.99
EN-EL4a (D2Xx/D3X)	£100.00

#### NIKON FLASHGUNS

SB-400	£129.99
SB-600	£239.99
SB-900	£339.99
SB-R200	£189.99
SB-200 Macro Kit R1C1	£599.99

#### NIKON BINOCULARS

8x21 Sprint Binoculars (Black)	£39.99*
• Compact and light weight	
• Close focus distance of 3 m.	
• Multi-layer coated lenses for bright image.	

## PENTAX



### PENTAX K-7

2 year warranty available

The K-7 is completely ready for action in all possible conditions. Rain, dust, dirt or even frosts of up to -10°C leave it cold.

• 14.6 million pixels	K-7 Body	£779.00
• Sensor shake system	K-7 +18-55mm	£839.00
• Video Recording		
• 3.0" LCD with Live View		



Pentax D-BG4 Batt. Grip	Our Price only £229.99
SRP £269.99	
Pentax D-Li90 Battery	Our Price only £59.99
SRP £64.36	
Pentax AF 540 FGZ Flash	Our Price only £399.99
SRP £479.99	
Tamrac Adventure 74	Our Price only £59.99
SRP £91.99	

For even more accessories, see our website

### PENTAX K-x

2 year warranty available

Advanced features & user-friendly functions ensure an outstanding level of photographic performance within a compact, lightweight body.

• 12.4 million pixels	K-x Black	£429.00
• User-friendly operation	K-x Black	£574.99
• 4.7 fps	Twin Kit	
• 2.7" LCD Screen		



Eneloop Charger + 4 Batts	Our Price only £19.99
SRP £25.49	
Pentax AF 360 FGZ Flash	Our Price only £269.99
SRP £329.99	
Pentax SLR Multi-Bag	Our Price only £14.99
SRP £23.99	

For even more accessories, see our website

#### Pentax Lenses

14mm f/2.8 DA ED IF SMC	£539.00	200mm f/2.8 SMC DA* ED IF SDM	£799.00	55-300mm f/4.0-5.8	£279.99
15mm f/4 ED AL DA ED AL SMC	£579.00	300mm f/4 SMC DA* ED IF SDM	£1,039.00	60-250mm f/4.0 ED (IF) SDM	£999.00
21mm f/3.2 DA ED IF SMC Ltd	£1,099.00	10-17mm SMC f/3.5-4.5 DA ED IF	£429.99		
31mm f/1.8 FA SMC Limited	£1,099.00	17-70mm SMC DA F4 AL IF SDM	£499.99		
35mm f/2.8 Macro Limited	£459.00	16-45mm f/4 ED AL SMC	£219.99		
40mm f/2.8 DA SMC Limited	£359.00	16-50mm f/2.8 ED AL IF SDM DA*	£719.99		
43mm f/1.9 SMC FA Limited (Bk)	£699.00	12-24mm f/4 DA ED AL (IF)	£849.00		
50mm f/1.4 SMC FA Lens	£319.99	18-55mm f/3.5-5.6 DA AL II	£30.00		
50mm f/2.8 MACRO DFA SMC	£429.99	18-55mm f/3.5-5.6 DA AL WR	£165.00		
55mm f/1.4 SDM DA*	£599.00	18-55mm DA AL WR (unboxed)	£65.00		
70mm f/2.4 SMC DA Limited	£449.00	50-135mm f/2.8 ED IF SDM DA*	£765.00		
77mm f/1.8 SMC DA Limited (Bk)	£779.00	50-200mm f/4-5.6	£179.99		
100mm f/2.8 D FA Macro WR	£549.99	50-200mm f/4-5.6 ED WR	£110.00		

#### Pentax Lens Deals

Pentax 18-55mm f/3.5-5.6 DA AL WR	Our Price £65.00
Pentax 16-45mm f/4 ED AL SMC	Our Price £219.99

## OLYMPUS

### E-P1

Not a compact. Not an SLR. It's a PEN.



- 12.3 Megapixels
- Built in iS
- HD Movie
- 3.0" LCD Screen

E-P1 + 14-42mm	£399.00
E-P1 Twin Kit + OVE	£499.99

New Low Price! See our website for more E-P1 Deals

### E-PL1

New Generation System Camera.



- 12.3 Megapixels
- Built in iS
- HD Movie
- 2.7" LCD Screen

E-PL1 + 14-42mm	£499.99
E-P1 Twin Kit + MME-2	£689.99

Please visit our website for the other E-PL1 Colours!

### E-P2

Not a compact. Not an SLR. It's a PEN.



- 12.3 Megapixels
- Built in iS
- HD Movie
- 3.0" LCD Screen

E-P2 + 14-42mm	£649.99
E-P2 + 17mm	£699.99

Please visit our website for even more E-P2 offers!

### Olympus E-450

Discover the artist in you.

- 10 Megapixels
- AF Live View
- Dust Reduction System

Body SRP £349.99

Body Only	£299.00
+ 14-42	£349.00

### Olympus E-520

Versatile D-SLR with Built in iS

- 10 Megapixels
- 2.7" LCD Screen
- Dust Reduction System

Body SRP £369.99

Body Only	£308.99
+ 14-42	£349.99

### Olympus E-620

Small body & innovative features

- 12.3 Megapixels
- 2.7" LCD Screen
- Dust Reduction System

Body SRP £619.99

Body Only	£479.99
+ 14-42	£529.99

### Olympus E-30

Your portable creative studio

- 12.3 Megapixels
- 2.7" LCD Screen
- Dust Reduction System

Body SRP £999.00

Body Only	£729.99
+ 14-42	£799.99

For money saving deals with filters, please see on-line or phone our Advice line on 01444 23 70 60

#### SPECIAL OFFER!

Olympus PS-HLD5 Battery Grip for E-620  
**Only £75.00\***

## Don't forget your memory!

We sell a range of memory cards at varying speeds & capacities, all at LOW PRICES. Please visit [www.ParkCameras.com/AP](http://www.ParkCameras.com/AP)

[www.ParkCameras.com/AP](http://www.ParkCameras.com/AP) 01444 23 70 60

All prices include VAT @ 17.5%. Opening times Mon-Sat 8:45-5:45pm; Thursday 8:45-7:30pm; Sunday 10:15-4:30pm. Sunday trading is in-store only. Store address: York Road, Victoria Business Park, Burgess Hill, West Sussex RH15 9TT. We accept Visa, Mastercard, Switch/Maestro. Figures in Brackets indicates stock level held at unrepeatable prices at time of going to print. All products are UK stock. E&OE. + Please mention "Amateur Photographer" for this special price

Prices correct at time of going to press; Prices subject to change; check website for latest prices.

wordmags & avaxhome



# PARKCameras

KEEPING YOU IN THE PICTURE



## - DEALS OF THE WEEK -



**Wacom Intuos4 Medium**  
Built for creative professionals this graphics tablet delivers probably the most natural drawing experience you can imagine!



### Eye-One Display 2

A powerful, professional level monitor profiling solution.

**SPECIAL PRICE £279.99** SRP £379.99 **SPECIAL PRICE £129.99** SRP £172.50

**For some really great offers, see the clearance section on our website**

# Panasonic

Understanding Your Lumix G1  
28th July  
or  
15th September



## Panasonic DMC-G1 + 14-45mm O.I.S

Megapixels	12.1	HD Video	X
LCD Screen	3.0"	FPS	3
Live View	✓	Card Type	SD

The Lumix G1 is both compact and light. In fact, the only reason it isn't smaller is down to ergonomics... you can go too far! These qualities allow the camera to be very portable making it an ideal travelling companion.

**Blue Kit only £368.00**  
**Black Kit only £378.00**



## Panasonic DMC-GF1 + 14-45mm O.I.S

Megapixels	12.1	HD Video	✓
LCD Screen	3.0"	FPS	3
Live View	✓	Card Type	SD

By using the Micro Four Thirds System standard and developing a camera body that eliminates the mirror box and optical viewfinder unit, the DMC-GF1 was able to achieve the world's smallest, lightest body as a system camera with a built-in flash.

**£30 Cashback**  
**Panasonic**

**Our Price only £544.00**  
**Available in Black, Red or Silver**

DMC-G1 – Stunning price and feature combination DMC-G2 – Excellent features at a premium price DMC-G10 – Smaller feature set, great price

For full details on the current range of Panasonic cameras and camcorders, please visit our website, or visit our state of the art showroom in Burgess Hill, West Sussex.

## Panasonic DMC-G10



Megapixels	10.0
LCD Screen	2.7"
Live View	✓
HD Video	✓
FPS	3.5
Card Type	SD

**£30 Cashback if purchased in store before 31.08.2010**

## Panasonic DMC-G2



Megapixels	12.1	HD Video	✓
LCD Screen	3.0"	FPS	3.2
Live View	✓	Card Type	SD

**Up to £50 Cashback if purchased in store before 31.08.2010**

## Panasonic DMC-FZ38



Megapixels	10.1
Optical Zoom	18x
LCD Screen	2.7"
HD Video	✓
I.S	✓
Card Type	SD

**In stock at only £269.99**  
**FZ-38 + 4GB SD Card £282.99**

## Panasonic DMC-TZ10



Megapixels	12.1
Optical Zoom	12x
LCD Screen	3.0"
HD Video	✓
I.S	✓
Card Type	SD

**In stock at only £299.99**  
**TZ-10 + 4GB SD Card £312.99**

## Panasonic MICRO FOUR THIRDS LENSES

20mm f/1.7 Pancake ASPH	£294.99
20mm f/1.7 Pan (Unboxed)	£289.99
45mm f/2.8 Macro Leica DG	£598.99
7-14mm f/4.0 Asp Lumix G	£914.99
14-140mm Lumix G Vario	£689.99
45-200mm f4.0-5.6 O.I.S	£240.00

For even more Panasonic Lenses and Accessories, please visit us in-store or at [www.ParkCameras.com/DPhoto](http://www.ParkCameras.com/DPhoto)

Panasonic DMW-Bag1	Our Price only £19.99
Panasonic 8GB SD HC	Our Price only £29.99
Panasonic DMW-BLB13E	Our Price only £59.99
Panasonic DMW-LVF1	Our Price only £159.99

Panasonic DMW-FL220E	Our Price only £132.99
Panasonic DMW-FL360E	Our Price only £199.99
Panasonic DMW-FL500E	Our Price only £389.99
Panasonic DMW-MS1E	Our Price only £59.99

For even more Panasonic accessories, see our website

## Panasonic Lumix DMC-FS10



**Only £129.99**  
saving £20 off SRP £149.99

## Panasonic Lumix DMC-FP3



**Only £169.99**  
saving £20 off SRP £169.99

## Panasonic Lumix DMC-TZ8



**Only £229.99**  
saving £60 off SRP £289.99

## SONY make.believe

For the latest in Compact Digital Compact Cameras, Digital SLRs, Digital Frames and the latest camcorder technology, please visit us in our showroom

### α500 + 18-55mm



**Only £534.00**

SRP £699.00

### α550 + 18-55mm



**Only £598.99**

SRP £759.00

### α450 + 18-55mm



**Only £489.99**

SRP £579.99

### NEX-3



- 14.2 MP Exmor APS HD CMOS sensor
  - MPEG4 720p video shooting
  - Sweep Panorama
  - 3.0" tilt-angle TruBlack LCD
- Please visit our website to see this exciting new product!!  
**NOW IN STOCK!!**

### NEX-5



- 14.2 MP Exmor APS HD CMOS sensor
  - AVCHD Full HD 1920x1080i video shooting
  - Sweep Panorama
  - 3.0" tilt-angle TruBlack LCD
- NOW IN STOCK!!**  
Please visit us in-store or on our website to see this exciting new product!!

### SONY α390



- 14.2 effective megapixels
  - Light, compact and easy to use
  - Quick AF Live View
  - 2.7" tilt-angle LCD Screen
  - SteadyShot INSIDE
- NEW & Due this Summer!!**  
Please visit us in-store or on our website to see this exciting new product!!

## SAMSUNG

For the latest in Digital Compact Cameras, Digital Camcorders and the latest TV technology including 3D, please visit us in-store or on-line

### PL-150 Blue / Red / Purple

Twice the fun of any camera. Dual LCDs make it easy.



**Only £149.99**

**PL150 + 4GB Micro SD Card**

**Only £159.99\***

### WB-650 Black

With a 24mm wide angle lens and 15x Optical Zoom you can go deeper & wider



**Only £239.99**

**WB-650 + 4GB SD Card**

**Only £249.99**

### DIGITAL CAMERAS

ES17 Silver / Black / Pink	£69.99
ES65 Silver / Black	£99.99
PL80 Black / Red	£129.99
PL55 Silver / Black / Red	£119.99
Digimax i100	£89.99
ST50 Silver	£120.00
ST60 Black / Purple	£138.99
ST70 Silver / Black / Red	£179.99
ST500 Black / Red	£199.99
ST5000 Orange / Grey / Black	£239.99
ST5500 Orange / Grey / Black	£299.99
WB-600 Grey / Black	£199.99
WB-550 Black / Grey	£179.00
WB2000 Black	£329.99
WP10 Black / Yellow	£159.99
EX1 Black	£399.99

### EX1

Specifically designed for today's advanced photographers & enthusiasts



**Only £349.99**

**EX1 + 4GB SD Card**

**Only £359.99\***

### NX10 + 30mm Pancake

Create the world as you image with the small & compact NX10



**Only £539.99**

**NX10 + 30mm 18-55mm O.I.S**

**Only £589.99\***

### SAMSUNG C20

Ultra Compact Digital Memory Camcorder

**In Stock at only £149.99**

## EPSON PRINTERS AT PARK CAMERAS

### Stylus Photo PX810 FW

Print, Scan, Copy & Fax from anywhere in the home with this wireless 4-in-1 printer.



**Only £209.99**

SRP £299.99

### Stylus Photo R2880

Step into large-format printing with first rate colour & black and white images.



**Only £569.99**

SRP £719.99

### Stylus Photo Pro 3880

Big on quality, small in size - to fit your office, your studio and your budget.



**Only £974.99**

SRP £1,144.25

## CANON PRINTERS AT PARK CAMERAS

### PIXMA MP560

An advanced All-in-One printer ideal for homes and offices, with built in Wi-Fi.



**Only £139.00**

SRP £155.00

### PIXMA iX7000

This is the ultimate A3+ office inkjet ideal for the home or office.



**Only £329.00**

SRP £429.00

### PIXMA Pro 9500 Mk II

This A3+ printer produces gallery-quality, long-lasting prints.



**Only £519.99**

SRP £779.00



[www.ParkCameras.com/AP](http://www.ParkCameras.com/AP)



**01444 23 70 60**

All prices include VAT @ 17.5%. Opening times Mon-Sat 8:45-5:45pm; Thursday 8:45-7:30pm; Sunday 10:15-4:30pm. Sunday trading is for in-store only. Store address: York Road, Victoria Business Park, Burgess Hill, West Sussex RH15 9TT. We accept Visa, Mastercard, Switch/Maestro. Figures in Brackets indicates stock level held at unrepeatable prices at time of going to print. All products are UK stock. E&OE. \* = Please mention "Amateur Photographer" for this special price

Prices correct at time of going to press; Prices subject to change; check website for latest prices.

wordmags & avaxhome





**Free Delivery to UK Mainland on Cameras/ Printers/ Scanners!**

\*over the value of £50

# SIGMA

Sigma is a world leader in the optical field with top quality lenses available in Sigma, Canon, Nikon, Pentax, Sony and Four Thirds fits. Please see below to find a lens for you - at LOW PARK CAMERAS PRICES!!

4.5mm f/2.8 EX DC  
8mm f/3.5 EX DG  
10mm f/2.8 EX DC  
15mm f/2.8 EX DG  
20mm f/1.8 EX DG  
24mm f/1.8 EX DG  
28mm f/1.8 EX DG  
30mm f/1.4 EX DC HSM  
50mm f/1.4 EX DG HSM  
50mm f/2.8 EX DG Macro  
70mm f/2.8 EX DG Macro  
85mm f/1.4 EX DG HSM  
105mm f/2.8 EX DG Macro  
150mm f/2.8 EX DG Macro HSM  
180mm f/3.5 EX DG Macro HSM  
300mm f/2.8 APO EX DG

£574.99  
£617.00  
£498.99  
£519.99  
£499.99  
£409.99  
£329.99  
£399.99  
£379.99  
£244.99  
£389.99  
£799.99  
£389.99  
£569.99  
£499.99  
£2,200.99

500mm f/4.5 APO EX DG  
800mm f/5.6 APO EX DG  
8-16mm f/4-5.6 EX DC HSM **NEW**  
10-20mm f/4-5.6 EX DC HSM  
10-20mm f/3.5 EX DC HSM  
12-24mm f/4.5-5.6 EX DG HSM  
17-50mm f/2.8 EX DC OS HSM  
17-70mm f/2.8-4 DC Macro HSM  
17-70mm f/2.8-4 DC MACRO OS HSM  
18-50mm f/2.8-4.5 DC OS HSM  
18-50mm f/2.8 EX DC Macro  
18-125mm f/3.8-5.6 DC OS HSM  
18-200mm f/3.5-6.3 DC  
18-200mm f/3.5-6.3 DC OS  
18-250mm f/3.5-6.3 DC OS HSM  
24-70mm f/2.8 EX DG Macro

£3,847.00  
£3,997.00  
£629.99  
£399.99  
£449.99  
£694.99  
£599.99  
£247.99  
£331.99  
See Web  
£316.99  
£247.99  
£218.99  
£289.99  
£399.99  
£449.99

24-70mm f/2.8 EX DG HSM  
28-300mm f/3.5-6.3 DG Macro  
50-150mm f/2.8 APO EX DC HSM II  
50-200mm f/4-5.6 DC OS HSM  
50-500mm f/4-6.3 EX DG HSM  
50-500mm f/5-6.3 DG OS HSM  
70-200mm f/2.8 EX DG Macro HSM II  
70-200mm f/2.8 EX DG OS HSM **NEW**  
70-300mm f/4-5.6 APO DG Macro  
70-300mm f/4-5.6 DG OS **NEW**  
100-300mm f/4 EX DG  
120-300mm f/2.8 EX DG HSM  
120-400mm f/4.5-5.6 DG OS HSM  
150-500mm f/5-6.3 DG OS HSM  
200-500mm f/2.8 EX DG  
300-800mm f/5.6 EX DG HSM (Canon)

£449.99  
£199.99  
£568.99  
£169.99  
£1,249.99  
£749.99  
£657.99  
£1,299.99  
£176.99  
£299.99  
£813.99  
£1,826.97  
£639.99  
£749.99  
See Web  
£5,699.99

**SIGMA DP1s**  
14 megapixel compact digital camera  
In stock at only £299.99

**SIGMA DP2**  
14 megapixel compact digital camera  
In stock at only £599.99

**SIGMA DP1x**  
14 megapixel compact digital camera  
Due 2010 - see our website for details and to place a pre-order

**SIGMA SD15**  
14 megapixel Digital SLR  
For full details on this D-SLR & to see our latest price, visit our website

**SAVE £73.04!**  
55-200mm f/4-5.6 DC  
Or only £49.99 when bought with a Canon EOS Body  
**Only £69.99**  
Available in Canon Fit Only SRP £143.03

**SAVE £130.00!**  
28-300mm f/3.5-6.3 DG Macro  
**Only £199.99**  
Available in Canon Fit Only SRP £329.99



### SIGMA FLASHGUNS

Sigma EF 140 DG Flash for DP1/DP2 (2) £49.99  
Sigma EF 140 Super DG - Canon | Nikon | Pentax £209.99  
Sigma EF 530 Super DG - Sony | Minolta | Sigma £209.99  
Sigma EF 530 ST DG - Canon | Sony | Pentax £139.99  
Sigma EM 140 DG Macro - Canon | Nikon | Pentax | Sony £309.99

**MARUMI**  
Lens Hoods from £9.99 for Canon Lenses.  
See web for full range.  
**Flashguns**  
D728AFC Flash Gun - Canon £64.99  
D728AFN Flash Gun - Nikon £64.99  
D35AFC Flash Gun - Canon £89.99  
D35AFN Flash Gun - Nikon £89.99  
DRF14C Ring Flash - Canon £109.99  
DRF14C Ring Flash - Nikon £109.99

**Nissin Flashguns**  
Di28 Flash - Canon £59.99  
Di28 Flash - Nikon £59.99  
Di466 Flash - Canon £99.99  
Di466 Flash - Nikon £99.99  
Di622 Flash - Canon £109.99  
Di622 Flash - Nikon £109.99  
SC-01 Universal Shoe Cord £51.00

**Nissin Di866 Pro Flash**  
IN STOCK!!  
Our Price £289.00

**TAMRON**  
For money saving bundles with filters, please visit our website  
60mm f/2 Di II LD (IF) Macro £399.99  
90mm f/2.8 Di Macro 1:1 £343.99  
180mm f/3.5 Di LD (IF) Macro £699.99  
10-24mm f/3.5-4.5 Di II LD £378.49  
17-50mm f/2.8 XR Di II LD £335.99  
17-50mm f/2.8 VC XR Di II LD £469.99  
18-200mm f/3.5-6.3 XR Di II LD £165.99  
18-250mm f/3.5-6.3 Di II LD £387.99  
18-270mm f/3.5-6.3 Di II VC £449.99  
28-75mm f/2.8 XR Di LD (IF) £349.99  
28-200mm f/3.8-5.6 XR Di £239.99  
28-300mm f/3.5-5.6 XR Di £314.99  
28-300mm f/3.5-5.6 XR Di VC £499.99  
55-200mm f/4-5.6 Di II LD (C) £107.99  
70-200mm f/2.8 Di LD (IF) £609.99  
70-300mm f/4-5.6 Di LD £131.99  
200-500mm f/5-6.3 Di LD (IF) £833.99  
Please see our website for Cashback savings on certain Tamron lenses this Summer at Park Cameras

**Tokina**  
AT-X 35mm f/2.8 Macro £399.95  
AT-X 100mm f/2.8 Macro £399.99  
AT-X 10-17mm f/3.5-4.5 £549.00  
AT-X 11-16mm f/2.8 Pro £499.95  
AT-X 12-24mm f/4 DX £449.95  
AT-X 12-24mm f/4 II £499.95  
AT-X Pro 16-50 f/2.8 DX £699.95  
AT-X 16.5-135mm f/3.5-5.6 £449.99  
T-X Pro 50-135mm f/2.8 £649.95

**HOYA**  
All filters at special prices. Please quote this advert when  
52mm UV £16.35  
52mm Circular Polarizing £41.89  
52mm SHMC Pro 1-D UV £38.83  
52mm HD Digital Circular Pol. £78.03  
52mm HD Digital UV (0) £43.93  
55mm UV £18.00  
55mm Circular Polarizing £29.99  
55mm SHMC Pro 1-D UV £40.87  
55mm HD Digital Circular Pol. £96.66  
58mm UV £19.39  
58mm Circular Polarizing £57.19  
58mm SHMC Pro 1-D UV £43.93  
58mm HD Digital UV (0) £51.08  
58mm HD Digital PL-CIR £98.90  
62mm UV £26.99  
62mm Circular Polarizing £53.73  
62mm SHMC Pro 1-D UV £49.03  
62mm HD Digital UV (0) £57.21  
62mm HD Digital Circ-Pol. £103.50  
67mm UV £34.73  
67mm Circular Polarizing £59.99  
67mm SHMC Pro 1 UV £54.99  
67mm HD Digital UV (0) £64.00  
67mm HD Digital Circular Pol. £97.20  
72mm UV £43.93  
72mm Circular Polarizing £49.99  
72mm HD Digital UV (0) £77.64  
72mm HD Digital Circ-Pol. £141.00  
72mm SHMC Pro 1-D UV £50.49  
72mm SHMC Pro 1-D UV £56.07  
77mm SHMC Pro 1-D Circ-pol £141.84  
77mm UV £53.12  
77mm Circular Polarizing £89.89  
77mm HD Digital UV (0) £90.93  
77mm HD Digital Circ-Pol. £165.52

**Wacom Graphics Tablets**  
Bamboo Touch £49.99\*  
Bamboo Pen & Touch £74.99\*  
Bamboo Fun Small £89.99\*  
Bamboo Fun Medium £159.99  
Intuos4 Small (A6 Wide) £179.99  
Intuos4 Medium (A5 Wide) £299.99  
Intuos4 Large (A4 Wide) £399.99

**BOWENS Kenro pro line**  
Please our showroom & studio facility to see the very latest studio lighting equipment!

**clickfree Automatic Backup**  
Back up your files with ease - Just connect it, it Automatically backs up with no software to install!  
NOW IN STOCK!!  
See our website for details

**USED EQUIPMENT AT PARKCameras**  
Updated Daily

Please visit us in-store or on-line to see a whole range of Apple Hardware & software

**Adobe**  
Adobe Photoshop Elements 8.0 (Win / Mac) £54.99  
Adobe Premier Elements 8.0 (Windows) £59.99  
PS Elements 8.0 + Premier Elements 8.0 £97.99  
Adobe Photoshop CS5 See Web  
Adobe Lightroom 2.0 (Windows / Mac) (1) £209.99  
Lightroom 2.0 Upgrade (Windows / Mac) (3) £84.99  
Adobe Lightroom 3.0 (Windows / Mac) £229.99  
Lightroom 3.0 Upgrade (Windows / Mac) £74.50

**Canon EOS 30D Body** from £299.00  
**Olympus E-P1 Body** from £299.99  
Canon 24mm f/2.8 £299.00  
Sigma 135-400mm (Canon) £349.00  
Sigma 24-70mm (Canon) £339.90  
Sigma 18-50mm (Canon) £239.00  
Tamron 200-500mm £629.90  
Nikon 18-70mm f/3.5-5.6 £159.00  
Nikon Coolpix P90 £299.90  
Sigma 500mm (Nikon) £1,999.00  
Olympus E-420 £175.00  
Olympus 8mm f/3.5 ED £469.90

**Part Exchange Welcome!!**  
Revitalise your photographic kit by part exchanging your old equipment against the very latest photographic technology.





Run out of ideas of what to get someone for their Birthday? Is the person that you are buying for interested in Photography? Then why not consider purchasing a Park Cameras Gift Voucher. Gift vouchers are only available in our showroom, or via mail order by calling 01444 23 70 60.

Please visit our website for a whole range of bags to fit a variety of gear

**Lowepro**

**SAVE £20**  
off SRP



### Versapack 200AW Rucksack

A modern daypack offering equal space for your camera gear & personal items.

**Our Price £59.99**

SRP £79.99

**Lowepro**

**SAVE £40**  
off SRP



### Slingshot 300AW

Carried comfortably on the back, this bag easily rotates to the front for quick access.

**Our Price £69.95\***

SRP £109.95

**Lowepro**

**SAVE £17**  
off SRP



### Flipside 400AW

A high performance backpack with a large capacity & protection from the elements.

**Our Price £89.95\***

SRP £106.95

## RUCKSACKS

Pro Roller X 100	£286.99
Pro Roller X 200	£337.99
Pro Roller X 300	£387.99
Pro Runner 200 AW	£99.99
Pro Runner 300 AW	£129.99
Pro Runner 350 AW	£189.99
Pro Runner 450 AW	£209.99
Pro Runner X350 AW	£289.99
Pro Runner X450 AW	£349.99
Versapack 200 AW	£59.99
Pro Trekker 300 AW	£224.99
Pro Trekker 400 AW	£269.99
Pro Trekker 600 AW	£299.99
Rolling CompuTrekker Plus AW Black	£219.99

Vertex 100 AW	£89.99
Vertex 200 AW	£114.99
Vertex 300 AW	£144.99
Flipside 200	£59.99
Flipside 300	£69.99

## SLING PACK PACKS

Slingshot 100 AW	£49.00
Slingshot 102 AW <b>NEW</b>	£64.99
Slingshot 200 AW	£49.95
Slingshot 202 AW <b>NEW</b>	£84.99
Slingshot 300 AW	£69.95
Slingshot 302 AW <b>NEW</b>	£94.99
Classified Sling 180 AW	£111.99
Fastpack 100	£40.99
Fastpack 200	£46.99
Fastpack 250	£54.99
Fastpack 350	£61.99

## COMPACT CASES

Apex 5 AW Black	£6.95
Apex 10 AW	£14.99
Apex 20 AW	£15.99
Apex 30 AW	£16.99
Apex 60 AW	£18.99
Apex 100 AW	£21.99
Apex 110 AW	£22.99
Apex 120 AW	£27.99
Apex 140 AW	£31.99

## SHOULDER BAGS

Impulse 110	£29.99
Impulse 130	£34.99
Magnum 200	£119.99
Magnum 400 Black	£149.99
Magnum 650 Black	£189.99
Stealth Reporter D100 AW	£59.99
Stealth Reporter D200 AW	£69.99
Stealth Reporter D300 AW	£86.99
Stealth Reporter D400 AW	£89.99
Stealth Reporter D550 AW	£99.99
Stealth Reporter D650 AW	£114.99
Nova 140 AW	£24.99
Nova 160 AW	£28.99
Nova 170 AW	£32.99
Nova 180 AW	£38.99
Nova 190 AW	£49.99
Nova 200 AW	£54.99
Nova Micro AW	£12.99
Nova Mini AW	£16.99
Classified 140AW	£69.99
Classified 160AW	£99.99

Classified 200AW	£99.99
Classified 250AW	£108.99

## TOPLOADING BAGS

TLZ Mini - Black	£14.99
TLZ 1 - Black / Navy	£19.99
TLZ 2 - Navy	£19.99
Toploader Zoom 45 AW <b>NEW</b>	£27.99
Toploader Zoom 50 AW <b>NEW</b>	£31.99
Toploader Zoom 55 AW <b>NEW</b>	£35.99
Top Loader Pro 65 AW	£76.99
Top Loader Pro 75 AW	£101.99



With cameras often being seen as the star of the show, the importance of a good, high quality bag to house your expensive photographic kit in is one decision that shouldn't be overlooked. From small, pocketable pouches to hard-wearing, multi-product rucksacks across brands such as Lowepro, Kata, Crumpler and Tamrac, time taken in selecting the right bag for you is time well spent.



**SAVE £32**  
off SRP



### Tamrac Adventure 74

**Our Price £59.99**

SRP £91.99

## COMPACT CASES

3807 Neo Digital 7 - Black	£9.99
5214 T14 - Black	£9.19
5415 Explorer 15 - Black	£9.19
3814 Neo Sleeves	from £9.99

## TOPLOADING BAGS

3320 Aero Zoom 20	£15.99
3325 Aero Zoom 25	£20.43
5513 Adventure Zoom 3	£17.99



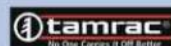
**SAVE £63**  
off SRP



### Tamrac Expedition 6x

**Our Price £99.99**

SRP £163.49



**SAVE £58**  
off SRP



### Tamrac Expedition 5x

**Our Price £84.99**

SRP £142.99

## SHOULDER BAGS

5534 Adventure Messenger 4	£40.99
5564 Explorer 400	£46.99

## RUCKSACKS

5546 Adventure 6	£38.99
3385 Aero 85	£64.99
5550 Adventure 10	£99.99
767 Photo Trail - Black	£112.39
5587 Expedition 7x	£129.99



**SAVE £15**  
off SRP



### Tamrac Velocity 7x

**Our Price £42.99**

SRP £58.19



**SAVE £20**  
off SRP



### Kata DR-465 DPS Rucksack

**Our Price £49.95**

SRP £69.95

## COMPACT CASES

KT A00D Snapshot D Flap	£6.95
KT 020D Pixel D Loop Pouch	£6.95
DP-403 Digital Pouch	£11.95
DP-405 Digital Pouch	£12.95
DP-413 Digital Pouch	£15.95

## TOPLOADING BAGS

KT A16KB Macro KS	£19.99
DH-421 Digital Holster	£24.95



**SAVE £20**  
off SRP



### Kata D-3N1-20 DPS

**Our Price £89.95**

SRP £109.95

## MASSIVE KATA SUMMER SALE!!

Please visit our website for hundreds of clearance deals.

**Massive Savings Available!**

## SHOULDER BAGS

DC-439 Digital Case	£39.95
DC-441 Digital Case	£44.95
EXQ-12 GDC Small (4)	£59.95
CS-17 Camera Satchel L	£149.95

## RUCKSACKS

R-103 GDC Rucksack	£144.99
R-106 GDC Rucksack	£204.99
R-104 GDC Rucksack	£219.99



**SAVE £10**  
off SRP



### Kata KT A16KS Macro KS

**Our Price £19.99**

SRP £29.99





We are a small family owned and run company, specialising in photographic consumables. We are based in Leamington Spa, in the heart of Warwickshire - if you are passing, or live close by, please pop into our shop, and meet Judy - our office dog!

Premier Ink & Photographic, Longfield Road, Sydenham Industrial Estate, Leamington Spa, Warwickshire. CV31 1XB.

### PRINTER INK CARTRIDGES



## EPSON

COMPATIBLE & ORIGINAL INK



At Premier Ink Supplies, we stock two types of cartridges for Epson printers - **Originals**, which are made by Epson, and **Compatibles**, which are made by a UK company called **Jet Tec**. Using **Jet Tec Compatibles** is a way of saving money, without compromising on the quality of your prints. Here're the results from two independent ink tests that agree...

"Jet Tec's colours were superb, with single greys and blacks very close to Epson ...so Jet Tec wins!"  
- Total Digital Photography Magazine

"What we're looking at here is not only the best choice of ink for the R300 printer, but also the best ink in this group test, period. There's just no getting away from the superb combination of performance and pricing!"  
- Computer Upgrade Magazine



Cartridge Code:	Originals:	Jet Tec Compatibles:	Suitable EPSON Printers:
T001 Colour	£26.99 65ml	£3.99 70ml, 3 for £10.99	Photo 1200
T007 Black	£22.99 16ml	£3.99 20ml, 3 for £10.99	Photo 790, 870, 890, 895, 900, 915, 1290
T008 Colour	£18.99 45ml	£4.99 50ml, 3 for £13.99	Photo 790, 870, 890, 895, 915
T009 Colour	£24.99 65ml	£4.99 70ml, 3 for £13.99	Photo 900, 1270, 1290
T026 Black	£19.99 16ml	£3.99 20ml, 3 for £10.99	Photo 810, 830, 830u, 925, 935
T027 Colour	£22.99 45ml	£4.99 50ml, 3 for £13.99	
T036 Black	£9.99 10ml	£3.99 13ml, 3 for £10.99	C42, C44, C46
T037 Colour	£11.99 25ml	£4.99 31ml, 3 for £13.99	
T040 Black	£19.99 17ml	£3.99 20ml, 3 for £10.99	C62, CX3200
T041 Colour	£19.99 37ml	£4.99 46ml, 3 for £13.99	
T050 Black	£19.99 15ml	£2.99 16ml, 3 for £7.99	440, 460, 660, Photo 700, 750, 1200
T051 Black	£19.99 24ml	£2.99 26ml, 3 for £7.99	740, 760, 800, 850, 860, 1160
T052 Colour	£19.99 35ml	£3.99 39ml, 3 for £10.99	440, 460, 660, 740, 760, 1160
T053 Colour	£19.99 43ml	£3.99 48ml, 3 for £10.99	Photo 600, 750
T0331-336 Set of 7	£102.99	£29.99, 3 sets for £87.99	Photo 950, 960
T0331/2/3, each	£14.99 17ml	£4.99 21ml, 3 for £13.99	
T0334/5/6, each	£14.99 17ml	£4.99 21ml, 3 for £13.99	Photo 2100
T0341-347 Set of 7	£119.99	Not Available.	
T0341/8, each	£14.99 17ml	Not Available.	
T0342/3/4, each	£17.99 17ml	Not Available.	
T0345/6/7, each	£17.99 17ml	Not Available.	
T0441-454 Set of 4	£40.99	£14.99, 3 sets for £42.99	C64, C66, C84, C86, CX3600/3650, CX5400, CX6600
T0441 Black	£17.99 13ml	£4.99 21ml, 3 for £13.99	
T0452/3/4, each	£9.99 8ml	£3.99 21ml, 3 for £10.99	R200, R220, R300, R320, R340, RX500, RX600, RX620, RX640
T0481-486 Set of 6	£61.99	£19.99, 3 sets for £56.99	
T0481/2/3, each	£13.99 13ml	£3.99 21ml, 3 for £10.99	Photo R800, R1800
T0484/5/6, each	£13.99 13ml	£3.99 21ml, 3 for £10.99	
T0540-549 Set of 8	£102.99	£35.99, 3 sets for £99.99	Photo R240, R245, RX420, RX425, RX520, RX525
T0540 Gloss	£7.99 13ml	£3.99 21ml, 3 for £13.99	Photo R2400
T0541/2/3/4, each	£13.99 13ml	£4.99 21ml, 3 for £13.99	
T0547/8/9, each	£13.99 13ml	£4.99 21ml, 3 for £13.99	
T0551-554 Set of 4	£29.99	£14.99, 3 sets for £42.99	D68, D88, DX3800/3850, DX4200/4250, DX4800/4850
T0551 Black	£8.99 8ml	£4.99 21ml, 3 for £10.99	
T0552/3/4, each	£6.99 8ml	£3.99 21ml, 3 for £10.99	S20, S21, SX100/105/110/115/200/205/210/215 SX400/405/415/515, D78/92/120, B40W, BX300, DX4000/4400/5000/6000/7000/7400/8400/9400
T0591-599 Set of 8	£94.99	Check Website.	Photo 1400
T0591/2/3, each	£11.99 13ml	Check Website.	
T0594/5/6, each	£11.99 13ml	Check Website.	Photo P50, R265, R285, R360, RX560, RX585, RX685, PX650, PX700/710W, PX800/810FW
T0597/8/9, each	£11.99 13ml	Check Website.	Photo R1900
T0611-614 Set of 4	£29.99	£14.99, 3 sets for £42.99	
T0611 Black	£6.99 8ml	£4.99 21ml, 3 for £13.99	Photo R2680
T0612/3/4, each	£6.99 8ml	£3.99 21ml, 3 for £10.99	
T0711-714 Set of 4	£29.99	£14.99, 3 sets for £42.99	
T0711 Black	£6.99 7.4ml	£4.99 13ml, 3 for £13.99	
T0712/3/4, each	£6.99 5.5ml	£3.99 13ml, 3 for £10.99	
T0791-796 Set of 6	£70.99	Check Website.	
T0791/2/3, each	£11.99 10ml	Check Website.	
T0794/5/6, each	£11.99 10ml	Check Website.	
T0801-806 Set of 6	£45.99	£19.99, 3 sets for £57.99	
T0801/2/3, each	£6.99 7.4ml	£3.99 13ml, 3 for £10.99	
T0804/5/6, each	£6.99 7.4ml	£3.99 13ml, 3 for £10.99	
T0870-879 Set of 8	£76.99	Check Website.	
T0870 Gloss	£7.99 11.4ml	Check Website.	
T0871/2/3/4, each	£9.99 11.4ml	Check Website.	
T0877/8/9, each	£9.99 11.4ml	Check Website.	
T0961-969 Set of 8	£78.99	Not Available.	
T0961/2/3, each	£9.99 11.4ml	Not Available.	
T0964/5/6, each	£9.99 11.4ml	Not Available.	
T0967/8/9, each	£9.99 11.4ml	Not Available.	
T5591-6 Set of 6	£61.99	Not Available.	
T5591/2/3, each	£11.99 13ml	Not Available.	
T5594/5/6, each	£11.99 13ml	Not Available.	

Please call or check our website if you cannot find cartridges for your printer.

### WIDE FORMAT INK



EPSON Stylus Pro 3800, 3880	
T5801/5802/5803/5804/5805/5806/5807/5808/5809/580A/B 80ml each	£44.99
EPSON Stylus Pro 4000, 4400, 7600, 9600	
T5431/5432/5433/5434/5435/5436/5437/5438 110ml each	£44.99
T5441/5442/5443/5444/5445/5446/5447/5448 220ml each	£69.99
EPSON Stylus Pro 4800, 4880:	
T6051/6052/6053/6054/6055/6056/605C/6057/6138/6059 110ml	£44.99
T6061/6062/6063/6064/6065/6066/606C/6067/6148/6069 220ml	£69.99
EPSON Stylus Pro 7800, 7880, 9800:	
T6021/6022/6023/6024/6025/6026/602C/6027/6118/6029 110ml	£44.99
T6031/6032/6033/6034/6035/6036/603C/6037/6128/6039 220ml	£69.99

Please call or check our website for further details



#### Canon Compatibles

BCI3e Black 26ml	£2.99
BCI3e CMY 15ml	£2.99
BCI6 B/C/M/Y 15ml	£2.99
BCI6 PC/PM/R/G 15ml	£2.99
PGI5 Black 29ml	£5.99
CL18 Black 15ml	£4.99
CL18 B/C/M/Y 15ml	£4.99
CL18 PC/PM 15ml	£4.99
PGI520 Black 19ml	£5.99
CL1521 B/C/M/Y/GY 9ml	£4.99
BCI10 Black (3 pack)	£4.99
BCI15 Black (2 pack)	£4.99
BCI15 Colour (2 pack)	£5.99
BCI24 Black 9ml	£1.99
BCI24 Colour 16ml	£2.99
PG37 Black 12ml	£1.99
PG50 Black 26ml	£12.99
CL38 Colour 12ml	£12.99
CL51 Colour 24ml	£14.99

#### Canon Originals

BCI16 Colour (2 pack)	£21.99
BCI3e Black 26ml	£10.99
BCI3e CMY 13ml	£9.99
BCI6 B/C/M/Y 13ml	£9.99
BCI6 PC/PM/R/G 13ml	£9.99
PGI5 Black 29ml	£12.99
CL18 B/C/M/Y 13ml	£11.99
CL18 PC/PM/R/G 13ml	£11.99
PGI7 Black 25ml	£11.99
PGI9 Clear 191ml	£11.99
PGI9 PB/MB/CMY 14ml	£10.99
PGI9 PC/PM/R/G/Y 14ml	£10.99
PGI520 Black 19ml	£9.99
CL1521 B/C/M/Y/GY 9ml	£8.99
PG47 Black 11ml	£12.99
PG40 Black 16ml	£15.99
PG50 Black 22ml	£22.99
PG510 Black 9ml NEW	£11.99
PG512 Black 15ml NEW	£15.99
CL38 Colour 9ml	£16.99
CL41 Colour 12ml	£19.99
CL51 Colour 21ml	£26.99
CL52 Photo 21ml	£19.99
CL511 Colour 9ml NEW	£15.99
CL513 Colour 13ml NEW	£19.99
KP-361P Ink & Paper	£12.99
KP-1081P Ink & Paper	£29.99

Many more in stock!

#### Dell Compatibles

Series 1 Black (T0529)	£11.99
Series 1 Black (T0530)	£12.99
Series 5 Black (M4646)	£11.99
Series 5 Black (M4646)	£12.99

Many more in stock!



#### HP Compatibles

No.15 Black 46ml	£4.99
No.21 Black 10ml	£7.99
No.22 Colour 21ml	£11.99
No.27 Black 24ml	£9.99
No.28 Colour 24ml	£12.99
No.45 Black 45ml	£4.99
No.56 Black 24ml	£9.99
No.57 Colour 24ml	£12.99
No.58 Photo 24ml	£12.99
No.78 Colour 45ml	£9.99
No.88XL CMY 17ml	£8.99
No.110 Colour 12ml	£10.99
No.336 Black 10ml	£7.99
No.337 Black 24ml	£10.99
No.338 Black 24ml	£10.99
No.339 Black 34ml	£12.99
No.342 Colour 12ml	£10.99
No.343 Colour 21ml	£12.99
No.344 Colour 21ml	£14.99
No.348 Photo 21ml	£12.99
No.363 Black 20ml	£6.99
No.363 CMY/PC/PM 8ml	£4.99
No.363 Set of 6	£24.99

#### HP Originals

No.21 Black 5ml	£13.99
No.22 Colour 5ml	£15.99
No.38 PB/MB/GY 27ml	£26.99
No.38 CMY/PC/PM 27ml	£26.99
No.56 Black 19ml	£16.99
No.57 Colour 17ml	£24.99
No.58 Photo 17ml	£22.99
No.59 Grey 17ml	£22.99
No.100 Grey 15ml	£22.99
No.110 Colour 5ml	£18.99
No.300 Black 4ml	£11.99
No.300 Colour 4ml	£13.99
No.336 Black 5ml	£13.99
No.337 Black 11ml	£17.99
No.338 Black 11ml	£17.99
No.339 Black 11ml	£24.99
No.342 Colour 5ml	£15.99
No.343 Colour 7ml	£18.99
No.344 Colour 14ml	£26.99
No.348 Photo 13ml	£22.99
No.350 Black 4.5ml	£11.99
No.350XL Black 25ml	£25.99
No.351 Colour 3.5ml	£13.99
No.351XL Colour 14ml	£27.99
No.363 Black 6ml	£13.99
No.363 CMY/PC/PM	£8.99
No.363 Set of 6	£39.99
No.364 Black 6ml	£8.99
No.364 PB/CMY 3ml	£7.99
No.901 Black 4ml	£11.99
No.901 Colour 9ml	£16.99

Many more in stock!



#### Lexmark Compatibles

No.1 Colour	£10.99
No.2 Colour	£11.99
No.3 Black	£14.99
No.16 Black	£10.99
No.17 Black	£9.99
No.26 Colour	£12.99
No.27 Colour	£11.99
No.31 Photo	£11.99
No.32 Black	£9.99
No.33 Colour	£11.99
No.34 Colour	£11.99
No.35 Colour	£12.99

#### Lexmark Originals

No.1 Colour	£16.99
No.14 Black	£16.99
No.15 Colour	£18.99
No.17 Black	£13.99
No.23 Black	£14.99
No.24 Colour	£16.99
No.27 Colour	£14.99
No.28 Black	£13.99
No.29 Colour	£14.99
No.31 Photo	£24.99
No.32 Black	£15.99
No.33 Colour	£17.99
No.34 Black	£20.99
No.35 Colour	£24.99
No.36 Black	£16.99
No.37 Colour	£18.99
No.43 Colour	£22.99
No.44 Black	£18.99

Many more in stock!

#### Brother Compatibles

LC900 Black	£3.99
LC900 CMY	£2.99
LC900 Set of 4	£11.99
LC970 Black	£3.99
LC970 CMY	£2.99
LC970 Set of 4	£11.99
LC1000 Black	£3.99
LC1000 CMY	£2.99
LC1000 Set of 4	£11.99
LC980 / 1100 Black	£3.99
LC980 / 1100 CMY	£2.99
LC980 / 1100 Set of 4	£11.99

Brother originals also in stock!

#### Kodak Original Ink / Paper

ESP Black Series 10 Ink	£6.99
ESP Colour Series 10 Ink	£9.99
ESP Black & Colour Ink	£15.99
PrinterDock Ink/Paper	£C44

Many more in stock!

### PHOTOGRAPHIC PAPERS



As an Ilford Pro Centre, we stock the complete range of Ilford Galerie papers, including A2, 17, 24 and 44 inch rolls. Below is just a selection.

Smooth Gloss 290g, 6x4, 100 sheets	£14.95
Smooth Gloss 290g, 7x5, 100 sheets	£19.95
Smooth Gloss 290g, A4, 25 +10 FREE	£9.95
Smooth Gloss 290g, A4, 100	£29.95
Smooth Gloss 290g, A3, 25 sheets	£23.95
Smooth Gloss 290g, A3+, 25 sheets	£25.95
Smooth Pearl 290g, 6x4, 100 sheets	£14.95
Smooth Pearl 290g, 7x5, 100 sheets	£19.95
Smooth Pearl 290g, A4, 25 +10 FREE	£9.95
Smooth Pearl 290g, A4, 100	£29.95
Smooth Pearl 290g, A3, 25 sheets	£23.95
Smooth Pearl 290g, A3+, 25 sheets	£25.95
Gold Fibre Silk 310g, A4, 20 sheets OFFER	£79.95
Gold Fibre Silk 310g, A3+, 50 sheets	£79.95
Heavyweight Matt 200g, A4, 50 sheets	£9.95
Heavyweight Matt 200g, A3+, 50 sheets	£27.95
Smooth Fine Art 190g, A4, 10 sheets	£10.95
Smooth Fine Art 190g, A3, 10 sheets	£23.95
Smooth High Gloss 225g, A4, 25 sheets	£14.95
Smooth High Gloss 225g, A3+, 25 sheets	£29.95
Smooth Lustre Duo 280g, A4, 25 sheets	£14.95
Smooth Lustre Duo 280g, A3+, 25 sheets	£39.95



# Lowering the Cost of Photography

Orders are shipped promptly by Royal Mail 1st class post, for which we charge just £1.76 per order. All prices include VAT, and a full VAT receipt is provided with every order. Payment accepted by credit/debit card, cheque or postal order. Orders accepted securely online, [www.premier-ink.co.uk](http://www.premier-ink.co.uk), over the telephone, 01926 339977, by post, or by visiting our showroom: Premier Ink & Photographic, Longfield Road, Sydenham Ind Estate, Leamington Spa, CV31 1XB.

01926 339977

[www.premier-ink.co.uk](http://www.premier-ink.co.uk)



# Premier

Ink & Photographic

## MEMORY



SD & SDHC	
1GB Inovli, Standard	£6.99
2GB Kingston, Standard	£6.99
2GB Inovli, Standard	£6.99
2GB Sandisk, Standard	<del>£7.99</del> £5.99
2GB Sandisk, Ultra II	<del>£10.99</del> £7.99
4GB Kingston, Class 4	£8.99
4GB Inovli, Class 6	£9.99
4GB Sandisk, Standard	<del>£14.99</del> £8.99
4GB Sandisk, Ultra II	<del>£24.99</del> £11.99
4GB Kingston, Class 4	£17.99
8GB Inovli, Class 6	£16.99
8GB Sandisk, Standard	£19.99
8GB Sandisk, Ultra II	£24.99
8GB Sandisk, Ext III	<del>£58.99</del> £39.99
16GB Kingston, Class 4	£32.99
16GB Inovli, Class 6	£29.99

MicroSD & MicroSDHC	
1GB Kingston, Standard	<del>£4.99</del> £2.99
2GB Kingston, Standard	£6.99
4GB Kingston, Class 4	£9.99

Compact Flash	
1GB Kingston, Standard	£9.99
1GB Transcend, 133X	£13.99
2GB Kingston, Standard	£12.99
2GB Inovli, 100X	£10.99
2GB Sandisk, Ultra II	<del>£17.99</del> £13.99
4GB Kingston, Standard	£14.99
4GB Inovli, 100X	£13.99
4GB Sandisk, Ultra II	<del>£23.99</del> £18.99
4GB Sandisk, Ext III	<del>£37.99</del> £25.99
8GB Kingston, Standard	£20.99
8GB Inovli, 100X	£19.99
8GB Transcend, 133X	£24.99
8GB Sandisk, Ultra II	£29.99
8GB Sandisk, Ext III	<del>£62.99</del> £42.99
16GB Kingston 133X	£42.99
16GB Inovli, 100X	£35.99
16GB Transcend, 133X	£47.99
16GB Sandisk, Ext III	<del>£94.99</del> £67.99

xD Picture Cards	
256MB Fuji	£9.99
1GB Olympus	£11.99
2GB Olympus	£15.99

Memory Stick Pro Duo	
2GB MS Pro Duo	£12.99
4GB MS Pro Duo	£19.99

Smart Media	
128MB Samsung	£29.99

USB Pen Drives	
2GB Kingston DataTraveler	£6.99
4GB Kingston DataTraveler	£9.99
8GB Kingston DataTraveler	£18.99
16GB Kingston DataTraveler	£32.99

Memory Cases	
A range of protective shock-resistant rubber lined memory card cases to keep your memory cards safe and secure.	
Vanguard 3D 4 cards, with keychain	£2.99
Kenro MCS 2 cards, 8 AA batteries	£6.99

Battery Grips	
A range of professional battery grips from Hahnel. All can take two Li-ion batteries for double the battery power. AA battery compartment and/or vertical shutter release and/or infrared remote, depending on model.	
For Canon 30/40/50D: £99.99	
-1x BP-S11: £111.99 -2x BP-S11: £223.99	
For Canon 350/400D: £59.99	
-1x NB-2L: £68.99 -2x NB-2L: £77.99	
For Canon 450/500/1000D: £69.99	
-1x LP-E5: £81.99 -2x LP-E5: £93.99	
For Nikon D40/D60: £59.99	
-1x EN-EL31: £71.99 -2x EN-EL31: £83.99	
For Nikon D80/D90: £89.99	
-1x EN-EL3E: £104.99 -2x EN-EL3E: £119.99	
For Nikon D300/D700: £139.99	
-1x EN-EL3E: £164.99 -2x EN-EL3E: £169.99	
For Sony A200/A350: £69.99	
-1x EN-EL3: £88.99 -2x EN-EL3: £107.99	

Standard Rechargeables	
High-power Ni-MH rechargeable AA and AAA batteries - all sold in packs of 4.	
AAA 1000mAh Energizer	£6.99
AA 1300mAh Energizer	<del>£3.99</del> £1.99
AA 2400mAh Energizer	£8.99
AA 2600mAh Duracell	£7.99
AA 2600mAh Anamark	£13.99
Charger +2500mAh Energizer	£9.99

ReCyCo+ Rechargeables	
New technology, combining the benefits of Alkaline and Ni-MH rechargeable batteries. They come pre-charged, retain 90% of their charge after 6 months, and last 4 times as long as alkaline batteries!	
AAA 850mAh equivalent (4)	£5.99
AA 2050mAh equivalent (4)	£7.99

Ultimate Lithium	
Energizer Ultimate Lithium: The longest lasting AA and AAA batteries in the world!	
AAA Ultimate Lithium (4)	£6.99
AA Ultimate Lithium (4)	<del>£6.99</del> £5.99

Universal Charger	
The NEW Hahnel UniPal charger is able to charge AA, AAA, Li-ion batteries, cameras, phones, iPods and more! Mains power cable, plus 12V car charger. Full details on our website.	£29.99

Li-Ion Charger	
A universal Li-Ion charger, able to charge most camera batteries. Mains cable, plus 12V car charger.	£14.99

Coin Cells, etc	
A comprehensive range of specialist batteries - see our website for full range.	
CR123A Energizer Lithium (1)	£1.99
CR2 Energizer Lithium (1)	£1.99
2CR5 Energizer Lithium (1)	£3.99
CRV3 Energizer Lithium (1)	£5.99
LR44 Energizer Alkaline (2)	£1.99
CR2025, CR2032 etc	£1.99

Bubble Spirit Levels	
These simply mount onto the hot shoe of a DSLR camera.	
Twin Axis Normal Hotshoe	£7.99
Twin Axis Sony Hotshoe	£7.99
Triple Axis Normal Hotshoe	£9.99
Triple Axis Sony Hotshoe	£9.99

Seculine Digital Spirit Level	
A digital spirit level that mounts onto the hot shoe in the usual manner, and uses LEDs to confirm when the camera is perfectly level.	£29.99

Cleaning Kit	
4-in-1 lens cleaning kit: blower brush, lens solution, lint free tissues, and pack of cotton cleaning buds.	£3.99
Small Hurricane Blower	£1.99
Large Hurricane Blower	£3.99
LensPen Original	£9.99
LensPen Digiklear	£9.99

Kenair	
Kenair compressed air is used to blow dust, fluff and other unwanted particles from your delicate camera equipment and accessories.	
Kenair Master Kit	£13.99
Kenair Spare Aerosol	£7.99
Spudz 6x6 inch	£4.99
Spudz 10x10 inch	£6.99

## BATTERIES

**Camera Batteries**  
A comprehensive range of rechargeable Li-ion batteries. Manufactured by respected independent battery manufacturers Energizer and Duracell. All batteries come with a 2 year guarantee.

NB-1L for Canon	£9.99
NB-2L/LH for Canon	£9.99
NB-3L for Canon	£9.99
NB-4L for Canon	£9.99
NB-5L for Canon	£9.99
NB-6L for Canon	£9.99
NB-7L for Canon	£9.99
BP-511 for Canon	£12.99
LP-E5 for Canon	£9.99
NP20 for Casio	£9.99
NP40 for Casio	£9.99
NP60 for Casio	£9.99
NP40 for Fuji	£9.99
NP45 for Fuji	£9.99
NP50 for Fuji	£9.99
NP60 for Fuji	£9.99
NP70 for Fuji	£9.99
NP80 for Fuji	£9.99
NP95 for Fuji	£9.99
NP120 for Fuji	£9.99
NP140 for Fuji	£12.99
NP150 for Fuji	£14.99
NP200 for Minolta	£9.99
NP400 for Minolta	£12.99
EN-EL1 for Nikon	£9.99
EN-EL2 for Nikon	£9.99
EN-EL3/3A for Nikon	£9.99
EN-EL3E for Nikon	£15.99
EN-EL5 for Nikon	£9.99
EN-EL7 for Nikon	£19.99
EN-EL8 for Nikon	£9.99
EN-EL9 for Nikon	£12.99
EN-EL10 for Nikon	£9.99
EN-EL11 for Nikon	£9.99
EN-EL12 for Nikon	£9.99
LI108/128 for Olympus	£9.99
LI40B/42B for Olympus	£9.99
LI50B for Olympus	£9.99
BLM-1 for Olympus	£12.99
BLS-1 for Olympus	£12.99
CGA-S005 for Panasonic	£9.99
CGA-S006 for Panasonic	£9.99
CGA-S007 for Panasonic	£9.99
CGA-S008 for Panasonic	£9.99
BCG10E for Panasonic	£19.99
D-Li8 for Pentax	£9.99
D-Li50 for Pentax	£12.99
D-Li78 for Pentax	£9.99
DB60 for Ricoh	£9.99
DB70 for Ricoh	£9.99
SLM-1137D for Samsung	£9.99
SLM-1674 for Samsung	£12.99
BD-1 for Sony	£19.99
BG-1 for Sony	£19.99
NP-FM500H for Sony	£19.99

P-Type Filter System	
The P-Type square/rectangular filter system consists of three parts:	
1) An adapter ring that screws onto the front of your lens	
2) A filter holder clips onto the ring	
3) One or more P-Type (84mm wide) filters	

P-Type Adapter Rings	
49mm Adapter Ring	£4.99
52mm Adapter Ring	£4.99
55mm Adapter Ring	£4.99
58mm Adapter Ring	£4.99
62mm Adapter Ring	£4.99
67mm Adapter Ring	£4.99
72mm Adapter Ring	£4.99
77mm Adapter Ring	£4.99
82mm Adapter Ring	£4.99

P-Type Holders	
Holder Standard	£5.99
Holder Wide Angle	£9.99
Hood Modular	£9.99
Hood Bellows	£34.99
A to P Type Adapter	£9.99

P-Type Bellows Hood	
A new design of Bellows Hood that slots into the front of a standard P-Type Holder.	£34.99

P-Type Filter Wallet	
A smooth cushioned filter wallet, to protect and store up to 8 P-Type filters	£9.99

P-Type Neutral Density Filter Kit	
We also stock Z-Pro (100mm) and A-Type (67mm) filters, holders and adapter rings	£45.99

P-Type Neutral Density Filter Kit	
Neutral Density filters have a multitude of uses - from increasing detail in landscapes and reducing over-exposed skies, to creating stunning motion scenes by reducing shutter speeds. Here's a kit which includes all the popular ND filters, and everything you need to get started! The kit contains: 1x ND2 Filter, 1x ND2 Soft Graduated Filter, 1x ND4 Filter, 1x ND4 Soft Graduated Filter, 1x P-Type Filter Holder, 1x P-Type Adapter Ring of your choice (49-82mm). Just £45.99 - saving £5 on the individual prices.	

P-Type Neutral Density Filter Kit	
ES-62 Canon 50/1.8	£9.99
ES-711 Canon 50/1.4	£9.99
ET-60 Canon 75-300/4.5-5.6	£9.99
ET-65B Canon 70-300/4.5-5.6	£9.99
ET-67 Canon 100/2.8 Macro	£9.99
ET-67B Canon 60/2.8	£9.99
EW-60C Canon 18-55 IS	£7.99
EW-73B Canon 17-85 IS	£9.99
EW-78B Canon 28-135 IS	£9.99
EW-78D Canon 18-200 IS	£9.99
EW-78E Canon 18-200 IS	£12.99
EW-83E Canon 17-40/4.0	£12.99
EW-83J Canon 17-55/2.8	£12.99
HB-25 Nikon 24-85, 24-120	£12.99
HB-37 Nikon 55-200 VR	£7.99
HB-45 Nikon 18-55 VR	£7.99
SH-006 Sony 18-55/3.5-5.6	£9.99
SH-108 Sony 18-55/3.5-5.6	£9.99

P-Type Neutral Density Filter Kit	
This is just a sample, more in stock!	

P-Type Neutral Density Filter Kit	
ES-62 Canon 50/1.8	£9.99
ES-711 Canon 50/1.4	£9.99
ET-60 Canon 75-300/4.5-5.6	£9.99
ET-65B Canon 70-300/4.5-5.6	£9.99
ET-67 Canon 100/2.8 Macro	£9.99
ET-67B Canon 60/2.8	£9.99
EW-60C Canon 18-55 IS	£7.99
EW-73B Canon 17-85 IS	£9.99
EW-78B Canon 28-135 IS	£9.99
EW-78D Canon 18-200 IS	£9.99
EW-78E Canon 18-200 IS	£12.99
EW-83E Canon 17-40/4.0	£12.99
EW-83J Canon 17-55/2.8	£12.99
HB-25 Nikon 24-85, 24-120	£12.99
HB-37 Nikon 55-200 VR	£7.99
HB-45 Nikon 18-55 VR	£7.99
SH-006 Sony 18-55/3.5-5.6	£9.99
SH-108 Sony 18-55/3.5-5.6	£9.99

P-Type Neutral Density Filter Kit	
This is just a sample, more in stock!	

P-Type Neutral Density Filter Kit	
ES-62 Canon 50/1.8	£9.99
ES-711 Canon 50/1.4	£9.99
ET-60 Canon 75-300/4.5-5.6	£9.99
ET-65B Canon 70-300/4.5-5.6	£9.99
ET-67 Canon 100/2.8 Macro	£9.99
ET-67B Canon 60/2.8	£9.99
EW-60C Canon 18-55 IS	£7.99
EW-73B Canon 17-85 IS	£9.99
EW-78B Canon 28-135 IS	£9.99
EW-78D Canon 18-200 IS	£9.99
EW-78E Canon 18-200 IS	£12.99
EW-83E Canon 17-40/4.0	£12.99
EW-83J Canon 17-55/2.8	£12.99
HB-25 Nikon 24-85, 24-120	£12.99
HB-37 Nikon 55-200 VR	£7.99
HB-45 Nikon 18-55 VR	£7.99
SH-006 Sony 18-55/3.5-5.6	£9.99
SH-108 Sony 18-55/3.5-5.6	£9.99

P-Type Neutral Density Filter Kit	
This is just a sample, more in stock!	

P-Type Neutral Density Filter Kit	
ES-62 Canon 50/1.8	£9.99
ES-711 Canon 50/1.4	£9.99
ET-60 Canon 75-300/4.5-5.6	£9.99
ET-65B Canon 70-300/4.5-5.6	£9.99
ET-67 Canon 100/2.8 Macro	£9.99
ET-67B Canon 60/2.8	£9.99
EW-60C Canon 18-55 IS	£7.99
EW-73B Canon 17-85 IS	£9.99
EW-78B Canon 28-135 IS	£9.99
EW-78D Canon 18-200 IS	£9.99
EW-78E Canon 18-200 IS	£12.99
EW-83E Canon 17-40/4.0	£12.99
EW-83J Canon 17-55/2.8	£12.99
HB-25 Nikon 24-85, 24-120	£12.99
HB-37 Nikon 55-200 VR	£7.99
HB-45 Nikon 18-55 VR	£7.99
SH-006 Sony 18-55/3.5-5.6	£9.99
SH-108 Sony 18-55/3.5-5.6	£9.99

P-Type Neutral Density Filter Kit	
This is just a sample, more in stock!	

P-Type Neutral Density Filter Kit	
ES-62 Canon 50/1.8	£9.99
ES-711 Canon 50/1.4	£9.99
ET-60 Canon 75-300/4.5-5.6	£9.99
ET-65B Canon 70-300/4.5-5.6	£9.99
ET-67 Canon 100/2.8 Macro	£9.99
ET-67B Canon 60/2.8	£9.99
EW-60C Canon 18-55 IS	£7.99
EW-73B Canon 17-85 IS	£9.99
EW-78B Canon 28-135 IS	£9.99
EW-78D Canon 18-200 IS	£9.99
EW-78E Canon 18-200 IS	£12.99
EW-83E Canon 17-40/4.0	£12.99
EW-83J Canon 17-55/2.8	£12.99
HB-25 Nikon 24-85, 24-120	£12.99
HB-37 Nikon 55-200 VR	£7.99
HB-45 Nikon 18-55 VR	£7.99
SH-006 Sony 18-55/3.5-5.6	£9.99
SH-108 Sony 18-55/3.5-5.6	£9.99

P-Type Neutral Density Filter Kit	
This is just a sample, more in stock!	

P-Type Neutral Density Filter Kit	
ES-62 Canon 50/1.8	£9.99
ES-711 Canon 50/1.4	£9.99
ET-60 Canon 75-300/4.5-5.6	£9.99
ET-65B Canon 70-300/4.5-5.6	£9.99
ET-67 Canon 100/2.8 Macro	£9.99
ET-67B Canon 60/2.8	£9.99
EW-60C Canon 18-55 IS	£7.99
EW-73B Canon 17-85 IS	£9.99
EW-78B Canon 28-135 IS	£9.99
EW-78D Canon 18-200 IS	£9.99
EW-78E Canon 18-200 IS	£12.99
EW-83E Canon 17-40/4.0	£12.99
EW-83J Canon 17-55/2.8	£12.99
HB-25 Nikon 24-85, 24-120	£12.99
HB-37 Nikon 55-200 VR	£7.99
HB-45 Nikon 18-55 VR	£7.99
SH-006 Sony 18-55/3.5-5.6	£9.99
SH-108 Sony 18-55/3.5-5.6	£9.99

## SQUARE FILTERS

**P-Type Filter System**  
The P-Type square/rectangular filter system consists of three parts:  
1) An adapter ring that screws onto the front of your lens  
2) A filter holder clips onto the ring  
3) One or more P-Type (84mm wide) filters

P-Type Adapter Rings		P-Type Filters (84mm wide)	
49mm Adapter Ring	£4.99	Circular Polarizing	£27.99
52mm Adapter Ring	£4.99	Linear Red R72	£29.99
55mm Adapter Ring	£4.99	ND2	£8.99
58mm Adapter Ring	£4.99	ND4	£8.99
62mm Adapter Ring	£4.99	ND2 Soft Graduated	£10.99
67mm Adapter Ring	£4.99	ND2 Hard Graduated	£10.99
72mm Adapter Ring	£4.99	ND4 Soft Graduated	£10.99
77mm Adapter Ring	£4.99	ND4 Hard Graduated	£10.99
82mm Adapter Ring	£4.99	Light Blue Graduated	£10.99



**Mifsuds**  
.COM  
FAMILY RUN SINCE 1954

27-29 Bolton Street Brixham,  
South Devon TQ5 9BZ

Shop is Open 10am-5pm Monday-Friday.  
9am-5pm Saturday. 10am-1pm Sunday.  
Shop & Phones Closed Saturday Only 1pm till 1.30pm  
PHONE LINES OPEN **MON-FRI** 9am - 5.30pm, **SAT** 9am - 5pm, **SUN** 10am - 1pm

**Mail Order:**  
**01803 852400**

Email - info@mifsuds.com

Web - www.mifsuds.com

**MIFSUDS ARE CANON PROFESSIONAL STOCKISTS**



**1D MKIV body**  
**£3699**



**5D MKII body**  
**£1689**



**EOS 7D body**  
**£1249**

**EOS DSLRS + KITS**

**5D MKII + 24-105** . . . . . £2399  
**7D + 15-85** . . . . . £1799  
**7D + 18-135** . . . . . £1499  
**50D body** . . . . . £727  
**50D + 17-85 F4/5.6 IS U** £989  
**50D + 18-200 F3.5/5.6** £1099  
**550D body** . . . . . £649  
**550D + 18-55 IS** . . . . . £699  
**550D + 18-135 IS** . . . . . £899  
**500D body** . . . . . £529  
**500D + 18-55 IS** . . . . . £599

**POWERSHOT CAMERAS**

G11 . . . . . £449 S90 . . . . . £369  
**EF-S NON FULL FRAME LENSES**  
10-22 F3.5/4.5 USM . . . . . £699  
15-85 F3.5/5.6 IS U no box £599  
17-55 F2.8 IS USM . . . . . £869  
17-85 F4/5.6 IS USM unboxed £299  
18-55 F3.5/5.6 IS unboxed £147  
18-135 F3.5/5.6 IS U no box £329  
18-200 F3.5/5.6 unboxed . . . £399  
55-250 F4/5.6 IS . . . . . £229  
60 F2.8 Macro USM . . . . . £347  
**EF LENSES**  
14 F2.8 L USM MKII . . . . . £1999  
15 F2.8 Fisheye . . . . . £639  
16-35 F2.8 MKII L USM . . . . . £1199  
17 F4 TSE L . . . . . £2039  
17-40 F4 USM L . . . . . £649  
20 F2.8 USM . . . . . £439  
24 F1.4 L II USM . . . . . £1399  
24 F2.8 . . . . . £409  
24 F3.5 L TSE MKII . . . . . £1849  
24-70 F2.8 L USM . . . . . £1047  
24-105 F4 L IS USM unboxed . . £849  
28 F1.8 USM . . . . . £419

28 F2.8 . . . . . £189  
28-135 F3.5/5.6 IS USM . . . . £399  
28-300 F3.5/5.6 IS L U . . . . £2399  
35 F1.4 L U . . . . . £1199 35 F2 . . £239  
45 F2.8 TSE . . . . . £1199  
50 F1.2 L USM . . . . . £1329  
50 F1.4 U . . . . . £339 50 F1.8 II . £109  
50 F2.5 Macro . . . . . £259  
55-200 F4.5/5.6 II USM . . . . £139  
65 MPE F2.8 . . . . . £899  
70-200 F2.8 IS U LII . . . . . £2169  
70-200 F2.8 non IS L USM . . . £1099  
70-200 F4 L IS USM . . . . . £979  
70-200 F4 L USM . . . . . £549  
70-300 F4.5/5.6 DO IS U . . . . £1149  
70-300 F4.5/5.6 IS USM . . . . £469  
85 F1.2 L II . . . . . £1849  
85 F1.8 USM . . . . . £329  
90 F2.8 TSE . . . . . £1199  
100 F2.8 IS L U macro . . . . . £799  
100 F2.8 Macro USM . . . . . £459  
100 F2 USM . . . . . £399  
100-400 F4.5/5.6 IS L USM . . . £1349  
135 F2 L USM . . . . . £949  
180 F3.5 L USM Macro . . . . . £1349

200 F2.8 II L USM . . . . . £699  
300 F2.8 L IS USM . . . . . £3979  
300 F4 L IS USM . . . . . £1199  
400 F2.8 L IS USM . . . . . £8899  
400 F4 DO IS L USM . . . . . £5699  
400 F5.6 L USM . . . . . £1179  
500 F4 IS L USM . . . . . £5799  
600 F4 IS L USM . . . . . £7599  
Ext tube 12-£79 Ext tube 25 £129  
1.4x or 2x converter II each £299  
**FLASH & ACCESSORIES**  
Angle finder C . . . . . £179  
Compact batt pack CP-E4 . . . £127  
BGE2N Grip (20/30/40D) . . . £149  
BG-E8 Grip (550D) . . . . . £159  
BG-E6 Grip (5D MKII) . . . . . £210  
BG-E7 grip (7D) . . . . . £149  
MR 14EX . . . . . £499  
MT-24 . . . . . £779  
430 EX II . . . . . £229  
580 EX II . . . . . £389  
Off camera shoe cord OC-E3 . . £59  
LC5 wireless set . . . . . £369  
STE2 Transmitter . . . . . £199  
TC-80N3 . . . . . £109

**580EXII**  
**Flash**  
**£389**

**STE2**  
**Transmitter**  
**£199**

**17mm f4 L**  
**TSE £2039**

**70-200mm**  
**f2.8 L U**  
**£1099**

**24-105mm f4**  
**L no box**  
**£849**

**100mm f2.8**  
**IS L U**  
**macro**  
**£799**

**U.K. Stock ONLY** **Nikon**

**MIFSUDS ARE NIKON PROFESSIONAL DEALERS**



**D3S body**  
**£3549**



**D700 body**  
**£1797**



**D300s body**  
**£1139**

**DIGITAL SLR + KITS**

**D3X body** . . . . . £4777  
**D3S body** . . . . . £3549  
**D90 body** . . . . . £629  
**D90 + 18-105 F3.5/5.6 G** £779  
**D5000 body** . . . . . £459  
**D5000 + 18-55 VR** . . . . . £529  
**D3000 body** . . . . . £315  
**D3000 + 18-55 VR** . . . . . £349

**DIGITAL ONLY LENSES**

10.5 F2.8 DX . . . . . £539  
10-24 F3.5/4.5 G AFS DX . . . . £615  
12-24 F4 DX . . . . . £829  
16-85 F3.5/5.6 AFS VR DX . . . £425  
17-55 F2.8 DX . . . . . £899  
18-55 F3.5/5.6 VR DX no box £179  
18-105 F3.5-5.6G ED VR no box £179  
18-200 F3.5/5.6 VR DX II . . . £549  
55-200 F4/5.6 VR DX . . . . . £219  
**LENSES**  
14 F2.8 AFD . . . . . £1249  
14-24 F2.8 G ED AFS . . . . . £1229  
16 F2.8 AF-D Fisheye . . . . . £619  
16-35 F4 AFS VR . . . . . £949  
17-35 F2.8 D AFS . . . . . £1499  
20 F2.8 AFD . . . . . £459  
24 F3.5 D PCE . . . . . £1399  
24 F2.8 AFD . . . . . £357  
24-70 F2.8 G ED AFS . . . . . £1177  
24-85 F2.8/4 . . . . . £559

24-120 AF-S VR G . . . . . £549  
28 F2.8 AFD . . . . . £249  
35 F1.8 G . . . . . £189  
35 F2 AF-D . . . . . £269  
45 F2.8 D PCE . . . . . £1399  
50 F1.4 AF-S G . . . . . £297  
50 F1.8 AFD . . . . . £109  
60 F2.8 AFS . . . . . £409  
70-200 F2.8 VR II . . . . . £1629  
70-300 F4.5/5.6 VR . . . . . £397  
80-400 F4.5/5.6 VR AFD . . . . £1149  
85 F1.4 AFD . . . . . £879  
85 F1.8 AF-D . . . . . £307  
85 F2.8 D PCE . . . . . £1399  
85 F3.5 G VR . . . . . £429  
105 F2.8 VR macro . . . . . £597  
200 F2 G VR . . . . . £3199  
200-400 F4 VR . . . . . £4499  
300 F2.8 AFS G VR II . . . . . £4199  
300 F2.8 AFS VR . . . . . £3639  
300 F4 AF-S . . . . . £999

400 F2.8 AFS VR . . . . . £6249  
500 F4 AFS VR . . . . . £5677  
600 F4 AFS VR . . . . . £6766  
TC14EII converter . . . . . £319  
TC17EII converter . . . . . £319  
TC20EII . . . . . £399  
TC20EII converter . . . . . £247  
**FLASH & ACCESSORIES**  
MBD10 Grip (D300/D700) . . . £199  
MBD80 grip (D80/D90) . . . . £119  
MBD200 grip (D200) . . . . . £159  
DR-5/DR-6 angle finder each . £229  
SBR200 wireless rem S/Lite . . £199  
SBR1 ringflash . . . . . £410  
SBR1C1 ringflash/command . . £599  
SB-600 . . . . . £329 SB-900 . . £329  
SC-28 . . . . . £66 SC-29 . . . £77  
SU-800 flash slave . . . . . £349  
MC36 . . . . . £129 MC30 . . . £66  
EN-EL3E . . . . . £65 ENEL4A . £116  
NX Capture 2 . . . . . £139

**14-24mm**  
**f2.8 G ED**  
**AF-S**  
**£1229**

**70-200mm F2.8**  
**VR II £1629**

**300mm F2.8 AFS**  
**VR £3639**

**400mm f2.8 AFS**  
**VR £6249**

**600mm f4 AFS**  
**VR £6766**

**Binoculars**  
**stocked**  
**SEE WEB**

**U.K. Stock ONLY** **SIGMA** **MIFSUDS ARE SIGMA PRO LENS STOCKISTS**

**HOYA Filters**



**50-500mm CAF**  
**£749**



**70-300mm f4/5.6**  
**DG OS £299**



**120-300mm CAF/NAF**  
**£1789**



**300mm EX DG**  
**CAF/NAF £2177**

Many stocked in Pentax & Sony fits - price may vary according to fit

4.5 F2.8 EX DC . . . . . £599  
8 F3.5 DG EX CAF/NAF . . . . £649  
8-16 F4.5/5.6 DC HSM . . . . £799  
10 F2.8 EX DC . . . . . £499  
10-20 F3.5 EX DC HSM . . . . £450  
10-20 F4.5/6 EX DC CAF/NAF . £399  
12-24 F4.5/5.6 EX DG . . . . . £679  
15 F2.8 EX DG Sony . . . . . £449  
17-70 F2.8/4.5 DC OS . . . . £329  
17-70 F2.8/4.5 DC . . . . . £279  
18-50 F2.8 EX DC Mac . . . . £319  
18-50 F2.8/4.5 OS . . . . . £199

18-125 F3.8/5.6 OS DC . . . . £269  
18-200 F3.5/6.3 DC OS . . . . £290  
18-250 F3.5/6.3 DC OS . . . . £399  
24-70 F2.8 EX IF DG HSM . . . £649  
24-70 F2.8 EX DG . . . . . £469  
30 F1.4 EX DC HSM . . . . . £399  
50 F1.4 EX DG . . . . . £399  
50 F2.8 EX DG macro . . . . . £245  
50-150 F2.8 EX DC II . . . . . £569  
50-200 DC OS HSMCAF/NAF . £149  
50-500 F4/5.6 OS HSM . . . . £1189  
50-500 F4/6.3 EX DG CAF . . £749  
70 F2.8 EX DG macro . . . . £390  
70-200 F2.8 EX DG OS . . . . £1299  
70-200 F2.8 DG macro II . . . £699

70-300 F4/5.6 DG OS . . . . £275  
70-300 F4.5/5.6 APO DG mac . £189  
70-300 F4.5/5.6 DG Mac NAF . £99  
85 F1.4 EX DG . . . . . £799  
105 F2.8 EX DG macro . . . . £390  
120-300 F2.8 EX DG CAF/NAF . £1789  
200-400 F4.5/5.6 APO OS . . £640  
150 F2.8 EX DG Mac . . . . £579  
150-500 F5.6/3 DG OS . . . . £750  
300 F2.8 EX DG CAF/NAF . . £2177  
300-800 F5.6 EX DG . . . . £5999  
500 F4.5 EX DG . . . . . £3777  
1.4x EX DG . . . . . £219  
2x EX DG . . . . . £239  
EM-140 DG macro flash . . . £329

**8-16mm**  
**14.5/5.6**  
**DC HSM**  
**£799**

**85mm**  
**11.4**  
**EX DG**  
**£799**

UV/Sky	Pro1 D	Circ Pol	Pro1 D
	UV		Circ Pol
49mm	£14	£36	£68
52mm	£16	£37	£70
55mm	£17	£36	£70
58mm	£19	£38	£70
62mm	£24	£44	£85
67mm	£30	£49	£94
72mm	£39	£55	£114
77mm	£47	£59	£132
82mm	£66	£69	£149
86mm	£85	£149	£160
95mm	£85		

**HOYA 95mm Linear Polariser £99**

HOYA	Pro1 D	Infra Red	G.O.R.Y
	Protector		81A/B/C
58mm	£39	£39	£16
62mm	£38	£49	£19
67mm	£42	£69	£24
72mm	£45	£69	£28
77mm	£49	£89	£30

WHILE STOCKS LAST

**Family Run Pro Dealership with Friendly, Knowledgeable Staff. Open 7 days per week. Prices inc VAT. Commission Sale & Part Exchange Welcome. Collection Service Available. P&P Extra. E&OE.**

We are happy to reserve new and used stock for customers planning to visit. Prices are based on current stock at time of compilation June 24th 2010. Prices are subject to change without notice so please check availability to avoid disappointment. We keep the website updated daily - latest prices always available on-line.

worldmags & avaxhome



<b>ALL DIGITAL</b>	Lens Hood 65-80.....£20
<b>CANON</b>	Lens Hood 105-150 S2 £20
1D MKII body.....£1349	Speedgrip.....£79
1DS MKII b/o box £1399	
1D MKII body.....£999	
5D body box.....£799	
50D body box.....£599	
40D body.....£479	
30D body box.....£299	
400D body.....£279	
20D body box.....£249	
350D body.....£219	
300D body.....£149	
BG-E1.....£49	BG-E2.....£79
BG-E2N.....£99	BG-E3.....£69
BG-E4 box.....£99	
BG-E7 M.....£119	
WFT-E4 box.....£499	
<b>FUJIF</b>	
S2 body.....£199	
<b>MINOLTA/SONY</b>	
Sony N50 (A100) b/o £249	
Sony 18-70 F3.5/5.6 £269	
16-80 F3.5/4.5 ZA.....£399	
<b>NIKON</b>	
D3X body.....£3999	
D3 body M.....£2399	
D300 body M-box.....£869	
D2X body.....£849	
D90 body.....£499	
D200 body.....£449	
D80 body box.....£349	
D70s body.....£239	
D70 body.....£199	
D50 body.....£199	
D40X body.....£199	
MBD-100 (D100).....£49	
MBD-200.....£99	
EH-6 AC adapter.....£49	
GP-1 box.....£169	
<b>OLYMPUS</b>	
Pen E-P1 + 17 F2.8 £439	
E1 body.....£249	
E200 + 14-42.....£249	
E500 + 17.5/45.....£199	
E500 + 14-45.....£199	
14-54 F2.8/4.5.....£279	
35 F3.5 macro.....£149	
40-150 F3.5/4.5.....£299	
25mm ext tube.....£79	
FL14 flash (Pen).....£99	
FL3 flash.....£119	
HL2 + batt + charg.....£99	
Sigma 10-20 F4.5/5.6 £229	
Sigma 55-200 DC.....£79	
<b>PENTAX</b>	
ist DS body box.....£179	
<b>LARGE FORMAT</b>	
Cambo SC Monorail 5x4	
(with standard rail).....£199	
Polaroid 545 Pro FH £79	
Polaroid 545 Back.....£69	
<b>BRONICA ETRS 645</b>	
ETRS comp M-box £329	
ETRS comp.....£179	
40 F4.5.....£149	
45-90 F3.5/5.6 PE.....£379	
50 F2.8 E.....£199	
50 F2.8 PE.....£199	
75 F2.8 PE.....£129	
100-220 F4.8 M.....£549	
150 F3.5 E.....£99	
150 F3.5 PE M-box £179	
200 F4.5 E.....£149	
200 F4.5 PE M.....£249	
E14 extension tube.....£49	
2x extender.....£99	
AI 120 RFH.....£49	
Polaroid Back.....£39	
AEIII Prism.....£199	
AEIII Prism.....£99	
WLF Boxed.....£59	
Plain Prism E.....£69	
Speed Grip.....£49	
Metz SCA 386.....£49	
<b>BRONICA SQ 6x6</b>	
SQA comp inc 80.....£449	
SQB comp inc 80.....£399	
SQA body.....£149	
SQ Body Boxed.....£99	
50 F3.5 PS.....£249	
50 F3.5 S.....£99	
65 F4 PS Boxed.....£199	
65 F4 PS.....£149	
110 F4 PS Mac (114) £279	
135 F4 PS M.....£279	
150 F3.5 S.....£99	
150 F4 PS.....£149	
150 F4 PS M-box £199	
200 F4.5 S.....£149	
Auto Mac Bellows.....£179	
Extension Tube S18.....£99	
120 SQAi Back.....£69	
120 SQAi Back.....£49	
120J RFH (645).....£69	
220 SQ Back.....£29	
Plain Prism S Boxed.....£99	
45 Degree Prism.....£99	
AE Prism Early.....£149	
CDS Chimney.....£199	
ME Prism Finder.....£129	
Metz SCA 386.....£49	
Rapid Focus Lever.....£149	
Lens Hood 50 PS.....£39	

# WANTED

5x4 & 6x9, **CANON, LEICA, MINOLTA, NIKON, PENTAX, BRONICA, MAMIYA, HASSELBLAD, FUJI GS - GW - GX617**

Please email details in first instance...info@mifsuds.com

**Collection can be arranged.**  
Your good quality cameras, lenses etc - part exchange - cash - commission sale.

<b>CONTAX SLR</b>	150/210 VF.....£149
AX body.....£299	Polarising filter.....£110
<b>CONTAX RF</b>	Panoramic kit.....£49
G2 black + 28 + 90	
+ case + TLA200.....£799	
21 F2.8 + VF chr box £399	
90 F2.8 G.....£199	
<b>FUJI MED FORMAT</b>	
250 F5.6 GX680.....£249	
GX617 + 90 F5.6.....£229	
Focus srm GX617.....£149	
GW690 MKIII.....£599	
<b>HASSELBLAD XPAN</b>	
XPan 1 body.....£599	
90 F4 lovely.....£449	
<b>HASSELBLAD 5x6</b>	
503CW blk body.....£699	
503CW chr + 80 CF	
+ A12 chr or blk.....£1399	
503CW chr + 80 CF	
+ A12 + prism.....£1499	
503CX + 80 CF F2.8	
+ A12 chrome.....£799	
503CX body.....£399	
500CM + 80* + A12 £599	
PM90 prism.....£199	
45* prism late.....£169	
45* prism early.....£89	
Chimney.....£89	
WLF early.....£49	
A12 late chr/blk.....£149	
A24 chr/blk latest.....£149	
A24 chr late.....£99	
Polaroid Back 100.....£39	
50 F4 CF FLE.....£599	
50 F4 CF.....£599	
135 F5.6 CF + macro	
bellows.....£799	
150 F4 CF.....£649	
150 F4 CF.....£399	
150 F4 chrome.....£169	
250 F5.6 T.....£249	
Early macro bellows £149	
Teleplus 2x conv.....£69	
<b>LEICA M/COMPACT</b>	
M7 body blk.....£1299	
CL body.....£299	
28 F2.8 blk.....£899	
90 F2 blk.....£649	
CF Flash.....£69	
CF-20 Flash.....£99	
CF24 flash box.....£129	
Minilux Zoom.....£199	
<b>LEICA SLR</b>	
R8 body blk box.....£499	
R5 body blk.....£299	
R4 body chr.....£199	
Leicaflash early.....£199	
15 F3.5.....£1299	
35-70 F3.5 box.....£499	
<b>MAMIYA 645</b>	
645 Pro TL inc 80 F2.8 N	
+ FE401 Prism + Pro	
Winder.....£549	
645 Pro TL + 80 F2.8 N	
+ WLF + 120 RFH.....£349	
645 Pro SV kit inc 80	
F2.8 N + SV Prism + 120	
RFH + Winder Box £449	
645 Pro + 80 F2.8 N	
120 RFH + FE401.....£479	
645 Pro TL Body.....£269	
645 Pro Body.....£199	
645 Super Body.....£99	
24 F4 M-Box.....£599	
35 F3.5 N M-Box.....£279	
35 F2.8 N M-Box.....£279	
50 F4 Shift M-Box £449	
50 F4 Shift.....£399	
55 F2.8 N.....£199	
55-110 F4.5 N (tiny	
optical blemish).....£199	
70 2.8 C leaf.....£99	
80 F1.8 C.....£149	
80 F2.8 N.....£99	
105-210 F4.5 ULD C £299	
110 F2.8 N.....£129	
150 F2.8 A M-Box £249	
150 F3.5 C.....£99	
150 F4 C.....£99	
210 F4 M.....£169	
300 F5.6 N ULD-C	
Mint + Box.....£349	
Ext Tube 1, 2, 3S ea.....£49	
Teleplus/1/2x conv.....£69	
FE401 AE Prism M.....£199	
AE Prism Box (Super) £149	
Plain Prism.....£39	
Waist Level Finder.....£69	
Polaroid Back HP401 £29	
120 Insert.....£29	
HA401 120 RFH Box £59	
120 Back.....£29	
135 Back.....£79	
Cable Rel Ad RC402 £20	
645 Super Conn N.....£20	
Angle Finder.....£79	
Winder.....£79	
Cable Release A Box £25	
Film Crank AC401.....£20	
<b>MAMIYA 7 RF 6x7</b>	
7 body.....£429	
50 F4.5 + VF M-box £849	
50 F4.5 + VF.....£499	
65 F4 body.....£579	
150 F4.5 L M.....£399	

50 F1.4 AFD M-box £199	55-200 F4.5/5.6 VR.....£169
55-200 F4.5/5.6 AFS DX £129	60 F2.8 AFD box.....£279
70-300 F4.5/5.6 VR.....£339	70-300 F4.5/5.6 AFD.....£179
80-200 F2.8 AFD N.....£699	80-400 F4.5/5.6 VR.....£949
85 F2.8 PCE micro M-£999	200 F2.8 AFS VR.....£2699
300 F2.8 AFS VR M-£3199	500 F4 AFS scruffy £2999
TC20EII M.....£189	
<b>SIGMA NAF</b>	
17-35 F2.8/4 EX DG £249	17-35 F2.8/4 EX.....£249
18-125 F3.5/5.6.....£139	18-200 F2.8 non EX.....£39
18-200 F3.5/5.6 M.....£149	28-70 F2.8 non EX.....£39
28-70 F2.8 non EX.....£39	28-70 F3.5/5.6.....£149
28-300 F3.5/5.6 DG.....£149	30 F1.4 EX box.....£319
30 F1.4 scruffy.....£179	50 F2.8 EX DG.....£189
50-500 F4.5/5.6 EX DG £599	50-500 F4.5/5.6 EX.....£569
50-500 F4.5/5.6 EX.....£569	55-200 F4.5/5.6 DC Mint £69
70-300 F4.5/5.6 OS DG £229	70-300 APO mac DG £129
120-300 F2.8 EX DG £1399	135-400 F4.5/5.6.....£299
170-500 F5.6/3.....£439	1.4X EX.....£119
<b>TAMRON NAF</b>	
18-200 F3.5/5.6 Dill £119	18-250 F3.5/5.6 Dill.....£219
19-35 F3.5/4.5 Mint.....£89	28-200 F3.5/5.6 XR.....£99
28-300 F4.5/5.6 Dill.....£49	70-300 F4.5/5.6 Di.....£89
2x MC conv.....£49	TOK 20-35 F2.8 ATX £199
<b>FLASH/ACCESS</b>	
SB-20.....£39	SB-23 £39
SB-24.....£69	SB-25 £69
SB-27.....£69	SB-30 £69
SB-28.....£129	SB-28DX.....£129
SB-80DX.....£129	SB-600.....£159
MB-16.....£39	MC-30.....£40
MC-36.....£89	MC-36.....£89
MH-15 charger.....£49	MH-30 charger.....£79
<b>NIKON MF</b>	
F3 Body.....£199	F3 Body + DP1 Prism £279
FM2n b/o chr/blk.....£239	FE2 Body Black.....£149
FM2 Body Chrome £149	FM Body Chr Box.....£89
301 Body.....£69	24 F2.8 AIS M.....£199
28 F3.5 MC.....£29	28 F3.5 MC.....£29
28 F3.5 AI.....£49	28 F3.5 AI.....£49
35 F1.8 MC.....£79	35 F1.8 MC.....£79
35 F3.5 MD.....£49	35 F3.5 MD.....£49
35 F3.5/4.5 MD.....£49	35 F3.5/4.5 MD.....£49
35 F1.8 AIS.....£149	55 F2.8 AIS.....£149
85 F1.8 AI Dusty.....£99	100-300 F5.6 AIS.....£149
135 F2.8 F Series.....£49	200 F4 AIS macro with
tripod mount ring.....£349	300 F4.5 AI Box.....£199
300 F4.5 AIS inc hood £149	TC14A Converter.....£99
TC200 Converter.....£59	TC201 conv.....£99
TC300 Converter.....£149	TC301 Converter.....£199
PB-6 Bellows.....£149	PB-6 + PB-6M.....£179
PB-6E ext bellows M-£149	AS-1/AS-4/AS-6 ea.....£17
SB-15.....£249	SB-16 or SB-16A.....£99
SB-17.....£99	MD-4 F3.....£249
MD-2 + MB-1.....£149	MD-12 FM2n / FE2.....£49
MF-19 Data Back F301 £379	MF-16 FM2N.....£49
<b>OLYMPUS OM</b>	
OM4Ti black.....£349	OM-1 chr body.....£149
OM1n chr body.....£129	OM-2N body black.....£149
OM-10 chr body.....£249	OM-40 black body.....£79
28 F3.5 shift.....£299	35 F2.8 shift.....£299
35-105 F3.5/4.5.....£149	50 F1.8.....£299
50 F3.5 mac M-box £149	135 F2.8.....£89

## PENTAX

K7 body.....£797

Kx body.....£399

Kx + 18-55mm.....£429

## TAMRON

10-24mm f3.5/4.5 SP Di II.....£379

17-50mm f2.8 SP XR Di II VC CAF NAF.....£449

18-200mm f3.5/6.3 XR Di II NAF (no motor).....£139

18-250mm f3.5/6.3 Di II NAF only.....£269

18-270mm f3.5/6.3 Di II VC LD CAF/NAF.....£449

60mm f2 Di II Macro CAF NAF + Sony.....£359

28-200mm F3.8/5.6 XR Di PKAF.....£129

28-300mm F3.5/6.3 XR Di VC.....£499

90mm F2.8 Di Macro.....£359

## KENKO

Converters/ Extension Tubes

Pro 300 1.4x DG Converter.....£169

Pro 300 2x DG Converter.....£199

Ext Tube Set DG CAF/NAF.....£149

## METZ

36AF4 Flashgun.....£79

45CL4 Flashgun Nicd.....£149

48AF1 Flashgun.....£169

58AF1 Flashgun shown.....£269

## TAMRAC

Expedition 3 Rust.....£29.00

Expedition 4x.....£79.00

Expedition 5x.....£99.00

Expedition 6x.....£119.00

Expedition 7x.....£119.99

Expedition 7.....£99.00

Expedition 8x.....£149.99

Expedition 9x (shown).....£179.00

Pro 5.....£39.00

## LOWEPRO

Fastpack AW

100 Black only.....£37

200 Black only.....£45

250 Black only.....£49

350 Black only.....£59

## CRUMPLER

Pretty Bella

2500.....£25

3000.....£35

4000.....£45

5500.....£49

7500.....£49

## WE STOCK IN DEPTH

GITZO, MANFROTTO, TAMRAC, LOWEPRO, PENTAX, HOYA, KATA etc

LOTS MORE USED IN STOCK ring or see web







**The Kirk, Wester Balblair,  
Beaulieu, Hampshire. IV4 7BQ.**  
**Tel: 01463 783850 Fax: 01463 782072**  
**Email: info@ffordes.com**

**ffordes**

120 Pro Mag (4x5).....E+ £145  
120 Pro Mag.....E+ £150  
220 Pro Mag.....New £125  
220 Pro Mag.....E+ £120  
Polaroid Mag.....E+ / New £25-£79  
AE Prism Finder.....As Seen / E+ £149-£249  
PD Prism Finder.....E+ £225  
Prism Finder.....E+ £179  
Auto Extension Tube NA703.....New £39  
Extension Tube No 1.....E+ £79  
Extension Tube No 2.....E+ £79  
Front Bellows Hood for G3.....New £49  
Proshade G2.....E+ £35  
Remote Control Set RS401.....New £69  
Winder II.....E+ / E+ £59-£69

**Mamiya TLR - Please Phone**

**Minolta AF**  
Dynax 3 Body Only.....E+ £249  
Dynax 5 + 28-80mm.....E+ £49  
Dynax 4 + 28-100mm.....E+ £59  
700Si + 35-70mm + VC700.....E+ £119  
700Si + VC700 Grip.....E+ £39  
700Si Body Only.....E+ / E+ £69-£79  
45S + VC800 Grip.....E+ £79  
505Si Super + 28-80mm.....E+ £45  
90i Body Only.....E+ £129  
70i Body Only.....E+ £59  
24-105mm F3.5-4.5 D.....E+ £159  
28mm F2.8 AF.....E+ / E+ £89-£119  
28-70mm F2.8 AF.....E+ £69  
28-80mm F3.5-5.6 D.....E+ £35  
28-105mm F3.5-4.5 AF.....E+ £149  
50mm F2.8 AF Macro.....E+ £229  
70-210mm F4 AF.....E+ £119  
70-210mm F4.5-5.6 AF.....E+ £79  
75-300mm F4.5-5.6 AF.....E+ £49  
Cosina 70-210mm F4.5-5.6.....E+ £39  
Cosina 100-300mm F5.6-6.7.....E+ £39  
Sigma 28-70mm F3.5-4.5.....E+ £39  
Sigma 28-200mm F4-5.6.....E+ £45  
Sigma 30-500mm F4-5.6 APO RF.....E+ £599  
Sigma 55-200mm F4.5-5.6 DC.....New £110  
Sigma 70-300mm F4.5-5.6 APO DG Macro Mint.....£129  
Sigma 135-400mm F4.5-5.6 APO.....E+ £269  
Sigma 300mm F2.8 APO AF.....E+ £749  
Sigma 2x APO EX Converter.....E+ £39  
Sony 16-105mm F3.5-5.6 DT.....Mint- £399  
Sony 18-70mm F3.5-5.5 DT.....E+ £59  
Sony 24-105mm F3.5-5.5 DT.....E+ £279  
Sony 28mm F2.8 AF.....E+ £129  
Sony 55-200mm F4-5.6 DT.....E+ £119  
Sony 75-300mm F4.5-5.6 AF.....Mint- £119  
Tamron 28-200mm F3.9-5.6 XR.....E+ £109  
Tamron 28-300mm F3.9-5.6 XR.....E+ £159  
Tokina 35-300mm F4.5-5.6.....E+ £159  
Tokina 40-400mm F4.5-5.6 ATX.....E+ £249  
1200AF Ringflash.....E+ £165  
1800AF Flash.....E+ £115  
2800AF Flash.....E+ / E+ £110-£225  
3500X Flash.....E+ £39-£59  
3600 HS Flash.....E+ £39  
4000AF Flash.....E+ £24-£45  
5200i Flash.....E+ / E+ £39-£59  
5400 Xi Flash.....E+ £59  
CG1000 Grip Set.....E+ £55-£75  
IR1 Infra Red Set.....E+ £59  
MD30 + BP900.....E+ £39  
RC1000i Remote Cord.....Mint- £119  
VC700 Vertical Grip.....Exc / E+ £29-£45

**Minolta Manual - Please Phone**

**Nikon AF**  
F6 Body Only.....E+ £1,099  
F5 Body Only.....E+ / E+ £299-£399  
F5 Body Only.....Exc / E+ £149-£199  
F4 Body Only.....E+ £299  
F100 + MB15 Grip.....E+ £229  
F100 Body Only.....Exc / E+ £199-£599  
F90X + MB10 Grip.....As Seen / E+ £59-£129  
F90X Body Only.....E+ £79  
F90 Body Only.....E+ / E+ £59-£125  
F80S Body Only.....E+ £59  
F80 Body Only.....Exc / E+ £39-£59  
F80 Black + MB16 Grip.....E+ £89-£99  
F80 Black Body Only.....E+ / Mint- £79-£99  
F80 Chrome Body Only.....E+ / E+ £79  
10-24mm F3.5-4.5 G AFS DX ED.....Mint- £499  
12-24mm F4 AFS ED DX.....E+ / E+ £549-£599  
14mm F2.8 AF.....E+ / Mint- £379-£699  
17.5mm F2.8 G AFS DX IFED E+ / E+ £699-£949  
18mm F2.8 AF.....E+ / Mint- £399-£799  
18-35mm F3.5-4.5 AF.....E+ £299  
18-70mm F3.5-4.5 G AFS ED DXE+ / E+ £119-£149  
18-135mm F3.5-5.6 G AFS ED DX.....E+ £159  
18-200mm F3.5-5.6 G AFS ED VR E+ / Mint- £399  
20-35mm F2.8 AF.....E+ £49  
24-50mm F3.5-4.5 AF.....E+ £118  
24-50mm F3.5-4.5 AFN.....E+ £108  
24-85mm F2.8 AF.....E+ £199  
24-120mm F3.5-5.6 G AFS ED VRE+ / Mint- £379-£449  
28mm F2.8 AF.....E+ £129  
28-200mm F3.5-5.6 AF.....As Seen / E+ £49-£79  
28-100mm F3.5-5.6 AF.....E+ / E+ £39-£59  
28-105mm F3.5-5.6 AF.....E+ £119  
28-200mm F3.5-5.6 AF.....E+ £149  
28mm F1.8 AF.....E+ £39  
55-200mm F3.5-5.6 AFS DX G - Ex Demo E+ £99-£129  
60mm F2.8 AF Macro.....E+ £249  
70-200mm F2.8 G AFS VR IFED.....E+ £1,149  
70-300mm F4.5-5.6 G AFS VR.....E+ £349

70-300mm F4.5-5.6 AFG.....E+ £79-£99  
70-300mm F4.5-5.6 Silver.....E+ £79  
80-200mm F2.8 ED AFD.....E+ £449  
105mm F2.8 AFD Macro.....E+ £449  
180mm F2.8 ED AFD.....E+ £499  
200-400mm F4 G VR AFS IFED E+ / Mint- £3,999  
300mm F2.8 IFED AFS II.....E+ £2,599  
TC20E Converter.....E+ £179  
TC20EII Converter.....E+ £229  
Sigma 18-35mm F4.5-5.6 EX DC.....Mint- £399  
Sigma 17-35mm F2.8 DG HSM.....E+ £129  
Sigma 17-70mm F2.8-4.5 DG HSM.....Mint- £199  
Sigma 20mm F1.8 DG RF.....E+ £299  
Sigma 20-40mm F2.8 DG EX.....E+ £199  
Sigma 24mm F1.8 EX DG.....E+ £199  
Sigma 28-70mm F2.8 EX DF.....E+ £149  
Sigma 38mm F1.8 D EX DG.....E+ £159  
Sigma 30mm F1.4 DC EX HSM.....E+ £279  
Sigma 55-200mm F4.5-5.6 DC.....E+ £49  
Sigma 80-400mm F4.5-5.6 APO DG OSE+ / E+ £599-£699  
Sigma 105mm F2.8 EX DC Macro.....E+ £279  
Sigma 170-500mm F5.6-6.3 APO D.....E+ £449  
Tamron 14mm F2.8 SP AF.....New £399  
Tamron 17-35mm F2.8 XR Di.....Mint- £399  
Tokina 18-25mm F3.5-5.3 Di II.....E+ £1,199  
Tamron 28-105mm F4.5-5.6 AF.....E+ £399  
Tamron 70-210mm F2.8 SP AF LD.....E+ £399  
Tamron 70-300mm F4-5.6 AF Macro.....E+ £399  
Tamron 80mm F2.8 SP AF Macro.....E+ £199  
Tamron 200-400mm F5.6 LD.....E+ £199  
Teleplus 2x Pro3000 Converter.....Mint- £399  
Tokina 15-70mm F3.5-5.3 DX Fish Eye ATX New £400  
Tokina 400mm F5.6 ATX SD.....E+ £279  
Zeiss 18mm F3.5 ZF.....Mint- £799  
DR3 Right Angled Finder.....E+ £79  
DW20 Waist Level Finder.....E+ / E+ £49-£89  
DWA Waist Level Finder.....Mint- £85  
MB10 Grip (F90X).....E+ £350-£50  
MB10 Grip (F90X).....E+ £39  
MB16 Grip (F80).....E+ £25-£29  
SB20 Speedlight.....E+ £29-£49  
SB21A Macro Speedlight.....Mint / E+ £129-£225  
SB21B Ringflash.....E+ £149-£179  
SB24 Speedlight.....Exc / E+ £39-£49  
SB30 Speedlight.....E+ £35  
SB50DX Speedlight.....E+ £69-£79  
SB60 Speedlight.....E+ £159  
SB80DX Speedlight.....E+ £79  
SC17 Flash Cord.....Mint- £45  
SC24 Flash Cord.....Mint- £25

**Nikon Manual**

F3AF Body Only.....E+ £299  
F3AF Body Only.....E+ £199-£279  
F3 Body Only.....As Seen / E+ £79-£199  
FM3A Black Body Only.....E+ / E+ £399-£449  
FM3A Chrome Body Only.....Mint- £349  
FM2T Titanium Body Only.....Mint- £449  
FM2N Chrome Body Only.....E+ / E+ £179-£199  
FM Black Body Only.....Exc / E+ £59-£89  
FM Chrome Body Only.....E+ £39  
FE2 Black Body Only.....E+ / E+ £129-£195  
FE Black Body Only.....E+ £39  
FE Chrome Body Only.....Exc / E+ £99-£119  
FG Chrome Body Only.....E+ £59-£65  
F2AS Black Body Only.....E+ £349  
F2A Chrome Body Only.....E+ / Mint- £239-£750  
F2A Black Body Only.....Exc / E+ £199-£249  
F1.....E+ £499  
F Photomic FTN Apollo Body Only.....E+ £299  
F Photomic FTN Body Only.....As Seen / Exc £149  
V + 20mm F2.8 UW + Finder.....E+ £379  
V + 35mm F2.5.....E+ £249  
18mm F4 AI.....E+ £349  
20mm F3.5 AI.....E+ £179  
20mm F4 AIS.....E+ £299  
20mm F4 AI.....E+ £119  
24mm F2.8 AI.....E+ £129  
24mm F2.8 AIS.....E+ / E+ £159-£219  
28mm F2.8 AI.....E+ £129  
28mm F2.8 Series E.....E+ £65  
28mm F3.5 PC Shift.....E+ £450  
28mm F4 PC Shift.....E+ / E+ £299-£395  
35mm F1.4 AI.....E+ £325  
35mm F2 AIS.....Mint £450  
35mm F2.5 Series E.....As Seen £59  
35mm F2.8 Non AI.....As Seen £49  
35-70mm F3.3-4.5 AIS.....E+ £69  
35-105mm F3.5-4.5 AIS.....Exc / E+ £59-£149  
43-80mm F3.5 Auto.....E+ £59  
43-80mm F3.5 Auto.....Unused £175  
45mm F2.8 P.....E+ / Mint- £139-£249  
50mm F1.2 AIS.....E+ / Mint- £249-£599  
50mm F1.4 AI.....E+ £125  
50mm F1.4 AIS.....Unused £350  
50mm F1.8 Series E.....E+ £49  
50mm F2 Non AI.....E+ £59  
55mm F3.5 Micro Non AI.....E+ £79  
80-200mm F4 AIS.....E+ / E+ £149  
80-200mm F4.5 Non AI.....As Seen £39  
100-300mm F5.6 AIS.....E+ £129-£179  
105mm F2.5 AI.....E+ £159  
105mm F2.5 Non AI.....As Seen £49  
105mm F2.8 AIS Micro.....E+ / E+ £299  
120mm F4 Medical.....E+ £499-£750  
135mm F2.8 AI.....As Seen £49  
135mm F2.8 AIS.....As Seen / E+ £95-£149  
135mm F2.8 Auto Q.....Unused £250  
135mm F2.8 Non AI.....As Seen / E+ £45-£59  
135mm F3.5 AI.....As Seen £59  
135mm F3.5 Auto Q.....Unused £175  
135mm F3.5 Non AI.....Exc / E+ £39-£49  
135mm F5.6 Non AI.....E+ £75  
200mm F2.8 AIS.....E+ £299  
200mm F4 AI.....Exc £59  
200mm F4 AIS Micro.....E+ £349  
200mm F4 Non AI.....E+ £79  
200mm F5.6 Medical.....E+ / E+ £399-£499  
400mm F5.6 IFED AIS.....E+ £599  
500mm F8 Reflex.....E+ £199  
TC14A Converter.....E+ £199  
TC200 Converter.....E+ £39  
TC300 Converter.....As Seen / Exc £75-£99  
15mm F2.8 UW + Finder.....E+ £399

Arsat 300mm F2.8 AI.....E+ £349  
Zeiss 28mm F2.2 Distagon.....Mint- £799  
Zeiss 50mm F1.4 ZF.....E+ £449  
Zeiss 100mm F2 ZF Macro.....Mint- £1,149  
DA2 Sports Finder.....Exc / E+ £75-£129  
DE2 Prism Finder.....E+ / E+ £35-£45  
DR3 Right Angled Finder.....E+ £69  
DW2 Waist Level Finder.....Mint- £125  
Extension Tube PK11.....Mint- £35  
Extension Tube PK12.....E+ £30  
Extension Tube PK13.....E+ £30  
Extension Tube PN1.....E+ £35  
Extension Tube PN11.....Mint- £50  
F Waist Level Finder.....E+ / E+ £45-£75  
PBS Bellows.....E+ £165  
PF2 Focus Stage.....E+ £99  
Pismo X4 Model PF.....Mint- £699  
SB11 Speedlight.....E+ £79  
SB15 Speedlight.....E+ £29  
SB17 Speedlight.....E+ / E+ £35-£39  
SB18 Speedlight.....E+ / E+ £15-£30  
SB27 Speedlight.....E+ £59  
SB4 Speedlight.....E+ £15

**Olympus - Please Phone**

**Pentax 645**

645N + 45-85mm FA.....E+ £749  
645N + 80-160mm.....E+ / E+ £749  
645 Complete.....E+ £299  
45mm F2.8 A.....E+ £199  
45-85mm F4.5 FA.....New £699  
55mm F2.8 A.....E+ £225  
55-110mm F5.6 FA.....E+ £399  
75mm F2.8 Leaf Shutter.....E+ £149  
80-160mm F4.5 A.....E+ / E+ £399-£499  
80-160mm F4.5 FA.....E+ £499  
120mm F4 A Macro.....E+ £299-£349  
150mm F3.5 A.....E+ £159  
200mm F4 A.....E+ £129-£159  
300mm F4 EDIF A.....E+ £499  
400mm F5.6 EDIF A.....E+ £749  
120 Insert.....E+ £75  
220 Insert.....E+ / E+ £45-£59  
Auto Bellows.....Exc Demo £399  
Finder Magnifier.....E+ £45

**Pentax 6x7**

67ii Complete.....E+ / E+ £399  
67ii + AC Prism.....E+ / E+ £329-£349  
67ii Body Only.....Exc £549  
67 Mirror Up + TTL Prism.....E+ £399  
67 + Plain Prism Body Only.....E+ £349  
67 Mirror Up + TTL Prism.....E+ £399  
35mm F4.5 Fisheye Takumar.....E+ / E+ £299-£650  
35mm F4.5 SMC Fisheye.....E+ £449  
45mm F4 SMC.....Exc / E+ £169-£299  
55mm F4 SMC.....E+ £299  
75mm F4.5 Shift.....Exc / E+ £499-£699  
135mm F4 SMC Macro.....E+ / E+ £199-£299  
150mm F2.8 Takumar.....As Seen / E+ £109-£179  
165mm F2.8 SMC.....As Seen / E+ £139-£179  
200mm F4 SMC.....E+ £139  
200mm F4 Takumar.....E+ / E+ £139-£199  
300mm F4 SMC.....E+ £349  
300mm F4 Takumar.....As Seen / E+ £199-£349  
400mm F4 Takumar.....E+ £449  
500mm F5.6 SMC.....E+ £1,399  
800mm F4 Takumar.....E+ £2,999  
800mm F6.3 SMC.....E+ £2,299  
1x Rear Converter.....E+ £295  
Vivitar 24 Converter.....E+ / E+ £49-£79  
Extension Tube.....E+ £35  
Extension Tube Set.....E+ £69  
67ii Wooden Grip.....E+ £99  
Magnifying Hood.....E+ £95

**Pentax AF - Please Phone**

**Pentax Manual - Please Phone**

**Rollei 6003/6/B**  
6006AF Complete.....E+ / Mint- £1,950-£2,750  
6008 Integral Complete.....E+ £749-£799  
6008 Complete.....E+ £629  
6006 Mk1 Complete.....E+ / E+ £369-£499  
SLX Mk1 Complete.....E+ £249  
50mm F4 HFT.....E+ / E+ £299-£399  
50mm F4 PQ.....E+ / E+ £349-£650  
50mm F4 PQ EL.....E+ £399  
120mm F5.6 HFT.....E+ £801  
120mm F5.6 PQ.....E+ £499  
35mm F5.6 HFT.....E+ £499  
2x HFT Converter.....E+ £89-£99  
120 Insert.....E+ / New £20-£69  
120 Magazine (6006).....E+ / E+ £89-£125  
120 Magazine (6008).....E+ £39  
120 Magazine (6008) Si 6008.....E+ £99  
4560 Magazine + Adapter.....E+ £349  
Polaroid Mag 6006.....E+ £35-£39  
Polaroid Mag 6008.....E+ / New £139-£199  
45 Degree Prism.....E+ / E+ £179-£249  
90 Degree Prism.....E+ £299  
Finder.....Mint- £199  
F41 Flashmeter.....New £99  
RC120 Release.....E+ £29  
Vario Extension Tube ET22-68.....E+ £299

**Rollei SL66/E/SE - Please Phone**

**Rollei Twin Lens - Please Phone**

**Vogtlander - Please Phone**

**Zeiss - Please Phone**

# SLIK

## UNBEATABLE prices - limited stocks

**PROFESSIONAL SERIES LEGS** These legs are designed for professional photographers where durability and steadfastness overshadow other concerns. They are workhorse camera supports with ultra heavy-duty construction. Use with large format cameras (4x5, 8x10), medium format, or digital SLRs and 35 mm cameras with long heavy telephoto lenses. They are made from steel and are finished in black.



**Model 3325** Weight: 4.5Kg. Max load: 10Kg. Folded length: 900mm. Minimum height: 590mm. Maximum height: 2000mm.

**SRP £364 Ffordes price now £119**



**Model 3327** Weight: 5.1Kg. Max load: 12Kg. Folded length: 935mm. Minimum height: 590mm. Maximum height: 2350mm.

**SRP £409 Ffordes price now £149**

**PROFESSIONAL II LE LEGS** No compromises in a smaller package. With the same heavy metal construction of THE PROFESSIONAL, this is a warhorse of a tripod that was created for the uncompromising professional who needs more portability.



**Model 3329** Weight: 3.2Kg. Max load: 12Kg. Folded length: 810mm. Minimum height: 590mm. Maximum height: 1835mm.

**SRP £319 Ffordes price now £89**

**DST-3 Professional video tripod** is a perfect fit for today's generation of compact and lighter weight DV and HV DV cameras. The all-metal fluid head is constructed from the finest, precision-machined aluminum parts. The head is mounted on a 60mm bowl level mount so the head can be perfectly leveled quickly and easily once the tripod is set. A longer than expected camera plate allows for proper balancing of a camera with a variety of accessories attached.

**SRP £404 Ffordes price now £129**



**Mail Order & Export Hotline 01463 783850**

**UK mainland carriage only £7** **We accept Cash, Cheques** **Open Mon-Fri 9am-5.30pm**







### USED Cameras

#### CANON - EOS & FD

EOS 450D & 18-55mm f/3.5-5.6 IS II...£379  
EOS 30D & 18-55mm f/3.5-5.6 IS II...£349  
EOS 1D MkIII...£1099  
EOS 1D MkIII...£1799

#### LEICA - Screw & M System

M2...£549  
IIF Body 'Red Dial'...£429  
IIF Body...£449  
Minilux Zoom...£199  
Minilux 40mm f2.4...£249  
NIKON - AF & MANUAL  
FM2n Body...£199

#### MINOLTA

X700 & 35-70mm f/3.5-5.6...£89  
MISC  
Konica Hexar RF...£649  
Minolta GT 35 'Golf'...£129  
Olympus OM-2n & 50mm 1.8...£119

### USED Lenses

#### CANON EF & EF-S

180mm f3.5L Macro...£929  
20-35mm f2.8...£549  
24-105mm f4L...£799  
70-200mm f4L IS...£779  
70-300mm DO IS...£799  
400mm f5.6L...£949  
Sigma 12-24mm EX...£499  
Sigma 17-35mm f2.8-4...£169  
Sigma 18-200mm OS...£229  
Sigma 28-200mm DG...£139  
Sigma 2x T/Con DG...£139

#### LEICA

21mm Super Angulon...£899  
MINOLTA/SONY  
85mm f1.4 AF...£699  
28-70 f3.5-4.8 MD...£59  
Sigma 20mm f1.8...£329

### USED Special

Reid 1 & 2" f2  
Taylor Hobson Lens  
Immaculate  
Condition With  
Original Box  
**Only £1499**

### USED Lenses

#### NIKON - AF, AI, & AIS

14mm f2.8D...£899  
20mm f2.8 AIS...£329  
24-120mm f3.5-5.6G VR...£429  
Zeiss 85mm f1.4 AI...£749  
35-105mm AIS...£119  
Sigma 17-35mm f2.8-4...£179  
SB800 Flash...£299

#### OLYMPUS

16mm f3.5 Fisheye...£699  
35mm f2.8 Shift...£379  
50mm f1.8...£29  
80mm f4 Macro...£179  
180mm f2.8...£379  
300mm f4.5...£149  
28-48mm f4...£129  
50-250mm f5...£349  
65-200mm f4...£149  
2XA Teleconverter...£69  
Vario Magnifier...£89

#### PENTAX - PK, PKA, M42

20mm f4.5 M42...£299  
40mm f2.8 Pancake...£149  
85mm f2.2 Soft...£349  
300mm f4 M42...£199  
28-50mm f3.5-4.5 PK...£99

#### CONTAX

G 28mm f2.8...£159  
G2 c/w 45mm f2...£449  
MISC  
Sony 18-70mm AF...£79

#### SEE OUR WEBSITE FOR MORE

### New Lenses

#### CANON EF SERIES

15mm f2.8...£619  
20mm f2.8 USM...£419  
24mm f2.8...£389  
28mm f1.8 USM...£409  
28mm f2.8...£169  
35mm f2...£229  
50mm f1.4 USM...£309  
50mm f1.8...£95  
50mm f2.5 Macro...£249  
65mm f2.8 MP-E Macro...£849  
85mm f1.8 USM...£329  
100mm f2 USM...£389  
100mm f2.8 Macro USM...£459  
70-300mm f4-5.6 IS USM...£449  
75-300mm f4-5.6 IS...£209

#### CANON EF-S SERIES

60mm f2.8 Macro USM...£369  
10-22mm f3.5-4.5 USM...£679  
15-85mm f3.5-5.6 IS USM...£679  
17-55 f2.8 IS USM...£839  
17-85mm f3.5-5.6 IS USM...£399  
18-55mm f3.5-5.6 IS...£159  
18-135mm f3.5-5.6 IS USM...£369  
18-200mm f3.5-5.6 IS...£439  
55-250mm f4-5.6 IS...£229

#### CANON L PRO SERIES

14mm f2.8L USM II...£1969  
24mm f1.4L USM II...£1399  
35mm f1.4L USM...£1209  
50mm f1.2L USM II...£1329  
85mm f1.2L USM II...£1849  
100mm f2.8L IS USM Macro...£769  
135mm f2L USM...£949  
180mm f3.5L USM Macro...£1319  
300mm f4L IS USM...£1219  
400mm f5.6L USM...£1169  
16-35mm f2.8L USM II...£1239  
17-40mm f4L USM...£649  
24-70mm f2.8L USM...£1059  
24-105mm f4L IS USM...£999  
28-300mm f3.5-5.6L IS...£2299  
70-200mm f2.8L IS USM II...£2399  
70-200mm f4L IS USM...£1019  
100-400mm f4.5-5.6L IS USM...£1329  
1.4x EF Extender...£299  
2x EF Extender...£299

### Canon

#### EOS 550D

Inc 18-55mm  
IS Lens  
**ONLY £699**

18 Million Pixels  
Full HD & High ISO  
KITS AVAILABLE  
SEE WEBSITE FOR MORE

### Canon

#### EOS 1000D & 18-55mm

**ONLY £389**

10.1 Million Pixels  
7-Point Wide-Area AF  
LIMITED STOCK  
SEE WEBSITE FOR MORE

### Panasonic

#### LUMIX G10

14-42mm  
KIT  
**£449**

12.1 Million Pixels  
High-Speed Contrast AF System  
Dual Fulltime Liveview & EVF  
HD Movies & HDMI

### Leica

#### NEW V-LUX 20

**OUR PRICE £495**

LIMITED STOCKS  
NOW AVAILABLE!

### Panasonic

#### NEW LUMIX FZ10

**ONLY £119**

FZ11  
**ONLY £149**

### Panasonic

#### NEW HDC-SD600

Full HD Camcorder  
**ONLY £599**

Full HD 1920x1080 Recording  
35mm Wide-angle Lens  
With 12x Optical Zoom  
iAuto With Face Recognition

### SIGMA

#### 8-16mm

**NEW ONLY £589**

Ultrawide Zoom Lens  
121.2° Wideangle View  
Exaggerated Perspective  
Designed For APS-C Sensors

### OLYMPUS

#### NEW EPL-1

& 14-42mm Lens  
**ONLY £549**

12.3 Megapixel  
2.7" Screen

### OLYMPUS

#### SP-800 UZ

**NEW ONLY £289**

14 Megapixel  
30x Wide Optical Zoom  
Dual Image Stabilisation  
HD Movie & HDMI Control

Part exchange is welcome, please call for an estimate

# www.acecameras.co.uk

Complete camera systems & other items bought for cash,  
top prices paid, give us a try.

24 hour despatch £10 (small items £6) • Open Mon - Sat, 8.45 - 6.00pm.  
Prices correct at time of print & include VAT. E&OE.

## SRB~Griturn

### Lee Filters

We carry a large selection of Lee Filters  
in stock with more arriving all the time.

Foundation Kit - **£55.00**  
DSLR Starter Kit - **£175.00**  
Adaptor Rings From - **£17.50**  
W/A Adaptor Rings From - **£37.00**  
ND Grad Sets - **£135.00**  
Landscape Filter Set - **£80.00**  
Sunset Filter Set - **£80.00**  
Lee Hoods From - **£78.00**  
Triple Filter Pouch - **£23.50**

### Stepping Rings

We Carry a huge selection of Stepping  
Rings. If we don't have the size you  
require, we will make it for you!  
Sizes up to 86mm - **£5.00**  
Sizes over 86mm - **£7.00**

### Square Filters

A-size filter holder - **£5.00**  
A-size adaptor ring - **£3.75** (all sizes)  
P-size filter holder - **£4.50**  
P-size adaptor ring - **£4.00** (all sizes)  
Filter Wallet (holds 8 filters) - **£9.95**  
ND Filters - **£12.50** each  
ND Grads - **£12.50** each  
Sunset Grad Filters - **£12.50** each  
Twilight Grad - **£12.50** each  
Not sure what you want? Come visit us  
and try before you buy.....

### Lens Caps

All Sizes from 27mm to 82mm  
**£2.95** each

### UV Filters (glass)

All Sizes from 27mm to 105mm  
from **£5.90** each

### Circular Polarisers

All Sizes from 27mm to 86mm  
from **£17.95** each

### Close up Sets

All Sizes from 37mm to 82mm  
from **£25.00** / set

### Skylight Filters

All Sizes from 27mm to 105mm  
from **£7.50** each

Call us to get our free catalogue

## 01582 661878

www.srb-griturn.com

# WANTED

Used photographic equipment in good condition



# FOR INSTANT CASH

We buy all makes and most types of photographic  
equipment and always offer a fair price

## URGENTLY REQUIRED...

All digital SLR cameras, lenses & accessories  
**ESPECIALLY Nikon and Canon**

All Hasselblad and Leica equipment  
Medium format and full frame equipment  
Nikon F series cameras and AI & AIS lenses  
**CASH WAITING! CALL US NOW!**

**www.cash4cameras.co.uk**

19, Aldershaw Close, Parkside, STAFFORD. ST16 1SX.

Email: cash4cameras@ntlworld.com

Tel: **01785 601028**

GET A **FREE QUOTE**







# Wilkinson Cameras

www.wilkinson.co.uk

**PIXEL**  
TRADE AWARDS  
2006 2007 2008  
Retailer of the Year  
Wilkinson Cameras

## Canon

**CANON EOS 1000D**  
10 MEGAPIXEL - 3lps shooting  
BODY & EF-s 18-55 ..... **£369.99**  
**FREE INSTRUCTION DVD WORTH £19.99**

**CANON EOS 500D**  
FULL HD, 15.1 megapixel  
BODY ..... **£499.00**  
BODY & EF-s 18-55 IS ..... **£589.99**

**EOS 550D**  
FULL HD, 18 megapixel  
BODY ..... **£649.99**  
BODY & EF-s 18-55 IS ..... **£749.99**  
BODY & EF-s 18-135 IS ..... **£949.99**

**CANON EOS 5D MK II**  
BODY ..... **£1699.00**  
BODY & EF 24-105 f4L ..... **£2349.00**  
BODY & EF 24-70 f2.8L ..... **£2590.00**

**CANON EOS 7D**  
BODY ..... **£1299.00**  
BODY & EF 18-135 IS ..... **£1549.00**  
BODY & EF 15-85 IS ..... **£1799.00**

## Canon EF Zoom lenses

**EF Zoom Lenses**  
16-35mm f2.8L USM MKII ..... **£1129.00**  
17-40mm f4L USM ..... **£619.00**  
24-70mm f2.8L USM ..... **£999.00**  
70-200mm f2.8L IS II USM ..... **£2149.00**  
70-200mm f4L IS USM ..... **£899.00**  
70-200mm f4L USM ..... **£509.00**  
70-300mm f4/5.6 IS USM ..... **£389.99**  
EF 100-400mm f4.5/6.3L IS USM ..... **£1249.99**  
**EF Macro, Lenses & Converters**  
EF Macro 50mm f2.5 ..... **£249.00**  
EF Macro 100mm f2.8 ..... **£449.00**  
EF Macro 100mm f2.8L IS USM ..... **£749.00**  
EF Macro 180mm f3.5L ..... **£1310.00**  
EF 1.4x converter ..... **£309.00**  
EF 2x converter ..... **£309.00**  
**EF-S Lenses**  
10-22mm f3.5/4.5 USM ..... **£629.00**  
17-55mm f2.8 IS USM ..... **£799.00**  
**17-85mm f4/5.6 IS USM (unboxed) .... £329.00**  
**55-250mm f4/5.6 IS ..... £209.99**  
60mm f2.8 Macro USM ..... **£359.00**

## Canon Flash

Speedlite 430 EX MKII ..... **£229.99**  
Speedlite 580 EX MKII ..... **£359.99**  
for 430 & 580 EX ..... **£16.99**

## SONY

**Sony A230**  
BODY & AF 18-55mm SAM ..... **£279.99**

**Sony A380**  
BODY & AF 18-55mm SAM ..... **£379.99**

**Sony A450**  
BODY & AF 18-55mm SAM ..... **£399.99**  
BODY & AF 18-55+55-200 ..... **£599.99**

**Sony A550**  
BODY & AF 18-55mm SAM ..... **£579.99**

## SONY FULL FRAME DSLR FOR LESS THAN £1500.00

**Sony A850**  
BODY **£1499.00**

- 24.6 MP Sensor
- 9 Autofocus Points
- 10 Supplementary AF Points
- Super Steadysnap
- Image Stabilisation
- 100-6400 ISO
- 3.0-inch LCD

Picture for illustration only, lens not included.

## OLYMPUS

**Olympus E450**  
10 megapixel, dust reduction.  
BODY & AF 14-42mm ..... **£339.99**

**Olympus E520**  
10 megapixel, dust reduction.  
BODY & AF 14-42mm ..... **£349.99**

**Olympus E620**  
BODY & AF 14-42mm ..... **£529.99**  
**FREE HLD-5 grip worth £169.99**

**OLYMPUS SPECIAL OFFER**  
**Olympus E**  
**40-150mm f4/5.6**  
**ONLY £89.99**  
**WHILE STOCKS LAST!**

## OLYMPUS PEN

**EP-1 & 14-42mm**  
was £499.99 **NOW £399.99**  
**E-P1 body £299.99**

**E-P2 & 14-42mm & VF-2**  
**Electronic Viewfinder £899.99**

**E-PL1 & 14-42mm £499.99**

## PEN LENS SPECIAL

**ES-M 17mm f2.8**  
Ideal travel lens for your PEN  
was £249.99 **Now only £199.99**  
Save further £50.00, only £149.99 when  
bought with any Olympus PEN camera

## PENTAX

**Pentax K7**  
BODY & 18-55 ..... **£799.99**  
**K7 TWIN KIT**  
BODY & 18-55+ 55-200 ..... **£899.99**

## PENTAX KX

**Pentax KX Value Kit**  
KX body, AF 18-55, Lowepro  
case & 2GB media card ..... **£429.99**

**Pentax KX Twin Value Kit**  
KX body, AF 18-55, AF 55-200, system  
bag & 4GB media card ..... **£569.99**

## SIGMA

DC 17-70mm f2.8/4.5 ..... **£249.00**  
DC 18-200mm f3.5/6.3 EOS fit ..... **£199.99**  
DC OS 18-125mm f3.8/5.6 HSM ..... **£259.00**  
DC OS 18-200mm f3.5/6.3 ..... **£289.00**  
NEW DG OS 18-250mm f3.5/6.3 HSM ..... **£399.00**  
DG OS 120-400mm f4/5.6 APO ..... **£609.00**  
DG OS 150-500mm f5/6.3 APO ..... **£699.00**  
DG 70-300mm f4/5.6 Macro ..... **£129.00**  
DG 70-300mm f4/5.6 APO Macro ..... **£179.00**  
DG OS 70-300mm f4/5.6 ..... **£299.00**  
**EX Lenses**  
EX DC 10-20mm f4/5.6 HSM ..... **£409.00**  
EX DC 18-50mm f2.8 Macro HSM ..... **£319.00**  
EX DC 30mm f1.4 HSM ..... **£390.00**  
EX DG 105mm f2.8 Macro ..... **£379.00**  
EX DG 12-24mm f4/5.6 ..... **£669.00**  
EX DG 50mm f1.4 HSM ..... **£369.00**  
EX DG 70mm f2.8 Macro ..... **£379.00**  
EX DG 50-500mm f4/6.3 APO ..... **£1099.00**  
EX DG 1.4X Converter ..... **£199.00**  
EX DG 2X Converter ..... **£249.00**  
EX DG 70-200mm f2.8 Macro II HSM ..... **£649.00**

# Campkins

**CAMERA CENTRE**  
**11 Rose Crescent,**  
**Cambridge CB2 3LP**



## PART-EXCHANGE STILL POSSIBLE

### CANON NEW BUT UNBOXED

**LENSES**  
Canon 18-200 IS ..... **£440**  
Canon 18-135 IS USM ..... **£349.99**

### CANON USED BUT BOXED

Canon BGE6 ..... **£190**  
Canon BGE4 ..... **£180**  
Canon 430 EX flash ..... **£170**  
Canon EOS 5D Body ..... **£1000**  
Canon EOS IV + 28-135 ..... **£500**

### LATEST FILM SLR'S

Sigma 120-300 f2.8 inc 2x ..... **£1599**  
Sigma 170-500 PPO C-EOS ..... **£460**  
Canon EOS IV T28-135 USM ..... **£500**  
Canon EOS 300v 28-90 ..... **£125**  
Canon EOS 5+28/105 3.5/5.6 ..... **£160**  
Canon EOS 10D B/O ..... **£269**  
18-50/2.8 Sigma F Digital ..... **£250**  
70-200/4 Canon USM ..... **£460**  
400/5.6 Tokina/Canon FD ..... **£80**

### SAMYANG LENSES

Check for Stocks

### MEDIUM FORMAT

RZ fit 50/3.5 ..... **£330**  
PITSM to fit RZ ..... **£199**  
RZ fit 1.4 x Tele ..... **£155**  
Bronica ETRS, 75/2.8 ..... **£375**  
PITSM + Back ..... **£150**  
ETRS fit 150/3.5 ..... **£150**

### LEICA SCREW ITEMS

ETRS fit 250/5.6 ..... **£350**  
ETRS fit AEZ PITSM ..... **£190**  
ETRS fit Speed Grip ..... **£60**  
ETRS fit Meter Drive ..... **£190**  
Hasselblad 500ELM b/o ..... **£399**  
Hass fit 150/14 Black ..... **£500**  
Hass fit 250/5.6 Chr ..... **£390**  
Pentax 6x7 fit 135/4.5 Macro ..... **£350**  
Russian Arsat 30/3.5 ..... **£125**  
IUFOO low hood ..... **£70**  
5cm Xbook vff ..... **£100**

### LATEST DIGITAL ITEMS

Olympus E 40-150 Zoom Mk I ..... **£150**  
Nikon F601 + 35/80 ..... **£80**  
Nikon F801 + 28-200 Taron ..... **£140**  
Nikon D200 B/O ..... **£699**  
Nikon F80 + 35/70 Nik ..... **£110**  
Nikon F4 B/O ..... **£229**  
80-400 VR Nikkor ..... **£899**  
Olympus OM10 + F1.8/5.0 ..... **£599**  
70-300 4/5.6 ED Nikkor ..... **£259**  
17-35 12.8/4 Sigma NAFD ..... **£210**

### NEW SIGMA LENSES

**IN OR DUE IN!**  
85/1.4 Ex DG, HSM  
8-16MM F4/5.6 DC HSM  
17-50mm f2.8 ex DC OS HSM  
50-500mm f5/6.3 DG OS HSM  
70-200mm f2.8 ex DG OS HSM

**LOOKING FOR ITEMS? WRITE/FAX 'E' YOUR REQUIREMENTS**

Post & Packing add £6 extra - Prices include 17.5% VAT  
Callers welcome Mon-Sat 9.45am - 5.30pm. - Fax line 24 hours  
Tel: 01223 364223 Fax 01223 313852 www.campkinsonline.co.uk



You can Skype us  
username: campkinscameras

**CAMPKINS CAMERA CENTRE**  
**11 Rose Crescent,**  
**Cambridge CB2 3LP**



# metrocolourlab.com

PETER GAFFNEY BIRMINGHAM B1 2SS 0121 212 3334  
petergaffney@btclick.com

## High Definition Digital printing 640 dpi



# Now..Online ordering

## Full range of film services..

- E6
- Canvas Wraps
- B+W
- C41
- Posters
- Scanning

## Download our free Photobook Software

subscribe 0845 676 7778

## DIRECT SALES LINE

Found a better offer? Call us now on

## NOW OPEN 7 DAYS

# 01772 252188

Email Orders: sales@wilkinson.co.uk

### Preston

27 Friargate Walk,  
St. George's Centre  
**01772 556250**  
preston@wilkinson.co.uk

### Blackburn

42 Northgate  
**01254 581272**  
blackburn@wilkinson.co.uk

### Burnley

95 St. James's St  
**01282 424524**  
burnley@wilkinson.co.uk

### Bury

61 The Rock  
**0161 7643402**  
bury@wilkinson.co.uk



POST & PACKING  
CHARGES  
CAMERAS ETC  
FROM £9.00 - INSURED  
DELIVERY PRICES  
CORRECT AT THE  
TIME OF GOING  
TO PRESS BUT  
SUBJECT TO  
CHANGE  
WITHOUT  
NOTICE

### Carlisle

13 Grapes Lane,  
The Lanes  
**01228 535853**  
carlisle@wilkinson.co.uk

### Kendal

19A Westmorland  
Shopping Centre  
**01539 735055**  
kendal@wilkinson.co.uk

### Lancaster

James Street  
Marketgate  
**01524 380510**  
lancaster@wilkinson.co.uk

### Southport

38 Eastbank St  
Southport  
**01704 534534**  
southport@wilkinson.co.uk

Images & avaxhome



# amateur Photographer CLASSIFIED

## Cameras For Sale

# cameraWORLD

## We'll buy your old cameras for CASH!

TOP PRICES PAID FOR YOUR FILM & DIGITAL CAMERAS, LENSES, ETC. - IT MAY BE WORTH MORE THAN YOU THINK!

## QUOTE & COLLECT

...FROM YOUR HOME OR PLACE OF WORK

FOLLOW THESE EASY STEPS:

- Call us for an estimated value
- We confirm quote by email
- We collect your camera equipment via courier at no cost to you
- On receipt we inspect the item, call to confirm the value and complete the transaction

[www.cameraWorld.co.uk](http://www.cameraWorld.co.uk) Call our local rate number

# 0844 264 0664

14 WELLS STREET (just off Oxford St), LONDON W1T 3PB  
T: 0207 636 5005  
E: [sales@cameraworld.co.uk](mailto:sales@cameraworld.co.uk)

HIGH CHELMER SHOPPING CTR, CHELMSFORD CM1 1XB  
T: 01245 255510  
E: [chelmer@cameraworld.co.uk](mailto:chelmer@cameraworld.co.uk)

## PART-EXCHANGE WELCOME

## MALCOLM TAYLOR FOR CLASSIC LEICA

### SALES & REPAIRS SERVICE

Good stock of used Leica bodies, lenses and accessories available. Fully equipped workshop on premises for repair and service of your classic Leicas, R/F Nikons and Canons including accessories and lenses and also vacuum coating facilities. Request list and details. M8-M9 Bit coding of lenses ASK.

\* Adhesive back foam now available \*

Upper Lye Farm, Aymestrey, Hereford HR6 9SZ.

Tel: 01568 770542

BRONICA SQAI WITH 80mm and 150mm PS lenses, WLF, AEIII prism finder, speed trip and two A12 120 backs. Mint and pristine condition. £650. Chris on 07884107100

BRONICA SQB 50MM 80MM, 150mm, 45DS prism, s.grip, pro hood, spare back, lonasex 3.5 meter, tripod, filters, cases, all mint, never used. £450 for the lot. 07517985986. Liverpool South.

CONTAX G2 TITANIUM kit, 21, 28, 45, 90 lenses, hoods, filters, all boxed. £990 ono. Rollei 35QZ, Porsche designed collectable camera, boxed, offers. Tel: 07711922822 hj1850@yahoo.com

LARGE FORMAT (5X4) camera kit. Great for landscapes & a refreshing step back from digital. Cambo SC2. 3 lenses. Polaroid backs. Dark Slides. Carrying bag. £975 01273483598

LEICA IIIG BODY, cap, excellent condition £890 plus £10 p+p-ins, Leica digilux I plus charger, lead, instruction book, disk, boxed, good condition £142 plus £8 p+p-ins. Tel: 01733252678

MINT BOXED CANON 40D body with all original items £450 ono. Please contact 01213782814

NIKON D2X BODY boxed little used and in unmarked condition, bought new from Park Cameras £650. Metz 45CL-4 flash gun and charger £50. Tel: 01237459102 Devon

NIKON ED82 STRAIGHT fieldscope mint boxed used twice £600. Carry case unwrapped £50, FSA L1 digiscopes attach, mint boxed £200. Jescops TP220 Tripod Unwrapped Free. 01929424294

NIKON RANGEFINDER MOUNT Voigtlander Bessa R2S and Contax IIa/IIa mount Voigtlander Bessa R2C black bodies. Trigger-winds, Voigtlander 35mm, 50mm f/1.5 Nokton lenses, hoods, filters. All brand new, boxed never used. 01296668573

SIGMA 300-800, APO, Nikon fit lens, also manfrotto tripod plus head to suit lens, £4,550ono. Tel: 07717741131

## Wanted Wanted

LEICAS WANTED: Early or unusual models, especially Model I with ANASTIGMAT, LEICA 250, COMPUR, LUFTWAFFEN, early M3, MP, NOCTILUX, HOLOGON, SUMMILUX, MOTORS, STEMAR, THAMBAR, NIKON RANGEFINDERS, PROTOTYPES. Complete collections purchased also broken / incomplete.

Mr PH Van Hasbroeck, Tel: 020 7584 0077, Fax: 020 7591 3848, Mobile: 07785 352 573, Email: [Hasbroeck@aol.com](mailto:Hasbroeck@aol.com)

## Cameras For Sale

# IN STOCK @ Mifsuds

## Nikon D3X

- 24.5 MP FX CMOS sensor
- ISO 100-1600: extend to 50-6400
- 5fps • EXPEED processing engine with 14-bit A/D conversion and 16-bit processing for superb tonal gradation.
- Advanced scene recognition system
- Multi-CAM3500FX 51-point AF system
- 920,000-dot 3" LCD
- Live View with Autofocus
- Active D-Lighting



D3X body **£4777**

Nikon 200-400mm f4 VR

**£4499**



## PART EXCHANGE WELCOME

*Mifsuds*.COM  
FAMILY RUN SINCE 1954

We are happy to reserve new and used stock for customers travelling long distance. Prices subject to change without notice so please check availability to avoid disappointment. Family Run Pro Dealership with Friendly, Knowledgeable Staff. Part Exchange Welcome. Collection Service Available. Prices correct when compiled 24/06/10 Prices inc VAT @ 17.5%. E&OE. WE STOCK IN DEPTH! Quality and Service from one of the U.K's Best Stocked Pro Dealer's - (OPEN 7 DAYS PER WEEK) 27-29, Bolton Street, BRIGHAM, Devon. TQ5 9BZ. Mail order: 01803 852400 Email: [info@mifsuds.com](mailto:info@mifsuds.com)

## Lenses For Sale

MINOLTA/SONY AF LENSES 24 f2.8 £125, 28 f2.8 £80, 35-70 f4 £60, 100-200 f4.5 £90, 70-210 f3.5-f4.5 £70. All mint cond. 01492871131 or 07714201448

PANASONIC LUMIX GF1 camera and G vario 40mm F1.7 lens and filter 46mm, view finder and two batteries and case. Mint. £560 Tel: 02085490426

## Items under £100

2 INTERFIT PHOTAX 500w lamps, 4 shades, barn doors, stands (3), 5 extra heads, 10 bulbs - daylight, tungsten, photo flood - most unused, boxed. Extras. Ring details £85 ono 01684564354 (Worcs).

OM1 LENSES: OLYMPUS. All under £100. 50mm, 28mm, 35-70mm zoom, Vivitar Zoom 80-200mm. Mint condition. 01908316736

## Camera Repairs



All cameras repaired. Specialists in Konica Minolta and Fuji Camera Repair Workshop

Unit 9 Wharfside, Bletchley, Milton Keynes, MK2 2AZ  
Phone: 01908 378 088 Fax 07812 427 677  
Email: [cameraworkshop@tiscali.co.uk](mailto:cameraworkshop@tiscali.co.uk)

## Black & White Processing

### MONOPRINT

Professional Black & White Processing & Handprinting  
Dev & Contact £6 per film - all formats  
P&P £1.75 - (1st class per total order)  
Reprints / Enlargements & Package Deals  
Applegarth House, Tumbledown Hill, Cumnor, Oxford OX2 9QE  
Telephone: 07989 777359  
[www.monoprint.co.uk](http://www.monoprint.co.uk)

## Cine & Slide Projectors

MOVIE PROJECTORS & VIEWERS/editors & cameras, slide projectors, lamps & transferers of home movie to DVD.  
[www.leescameras.demon.co.uk](http://www.leescameras.demon.co.uk)  
02082029918

## COLCHESTER

## CAMERA REPAIR SERVICE

Official OLYMPUS, Canon service centre.

Canon Warranty Repairs. Free estimates. Most other makes repaired. Video repairs. Full postal service. 6 Kings Court, Newcomen Way, Severalls Business Park, Colchester CO4 9RA

Tel: 01206 843322

## Collectable Items

A WIDE RANGE OF vintage Amateur Photographer, Practical Photography and others. Dating from 1956 - current. All in good condition. Buyer collects or pays for postage. Please call Adrian Sonix for details 07890815117. (Morden, Surrey).







## Holidays & Courses

### Train to Become a Professional Wedding Photographer

Kick start your career with one of our Wedding Photography Courses.

These 3 day training courses take you through all the steps to becoming a Professional Wedding Photographer. Our hands on courses with models on all three days will give you a flying start in the Wedding Photography business.



Chris Hillman Photography Ingatstone Essex  
www.chptraining.com 01277 352256

## Colour Processing

### Palm Labs Photographic Processing & Printing

Palm Laboratory Ltd  
69 Rea Street  
Birmingham B5 6BB

Established Over 25 Years



- Film Processing
- E6 / Slide / C41 / Neg / B&W
- Process & Print Packages on Kodak Paper
- Digital Package Deals on Kodak Paper
- 35mm / 120 / 5x4 / 10x8 Film's
- Traditional Black & White on Ilford Paper
- Optical Colour Handprints on Kodak Paper
- Drum & Package Scanning Services
- Photographic Poster's on Kodak Paper
- Exhibition & Gallery Print's on Kodak Endura
- Real Photographic Book's on Kodak Paper
- Restoration & Copying Services
- Mounting Services ● Metallic / Gloss / Matt Paper
- Friendly Advice ● Postal Service

**0121 622 5504**

www.palmlabs.co.uk  
palmlabs@btconnect.com

TV Presenter \* Acting \* Photography \* Cinema \* TV

LONDON ACADEMY  
OF MEDIA FILM & TV

## Photography School

UK's LEADING PROVIDER OF MEDIA COURSES

WWW.MEDIA-COURSES.COM 0870 62 65 100

**City Photographic**  
36, Bedford Place, Southampton, SO15 2DG.  
T: 02380 632727/632709

**Lab Services**

**110 & APS!**

**www.fujiprolab.co.uk**

110 & 35mm Film Developing and Printing		Prints from Digital Files		6x9" Prints each	
24 Exposure 6x4	<b>£4.49</b>	6x4" Prints	each	1-9 Prints	£1.29
36 Exposure 6x4	<b>£4.99</b>	1-9 Prints	49p	10-19 Prints	90p
24 Exposure 5x7	<b>£5.99</b>	10-19 Prints	30p	20-29 Prints	65p
36 Exposure 5x7	<b>£6.99</b>	20-29 Prints	24p	30-49 Prints	55p
24 Exposure 6x9	<b>£10.99</b>	30-49 Prints	19p	50+ Prints	35p
36 Exposure 6x9	<b>£12.99</b>	50+ Prints	10p	6x10/12" Prints	
Develop Only	<b>£2.99</b>	6x7" Prints		1-9 Prints	£2.99
Develop and Contact 10x8	<b>£7.99</b>	1-9 Prints	69p	10-19 Prints	£2.29
Transfer to CD at time of processing	<b>£1.99</b>	10-19 Prints	54p	20-29 Prints	£1.79
<b>APS Film Developing and Printing</b>		20-29 Prints	40p	30-49 Prints	£1.29
4" 25 Exposure	<b>£6.99</b>	30-49 Prints	25p	50+ Prints	99p
4" 40 Exposure	<b>£7.99</b>	50+ Prints	19p	6x10/12" Prints	
Transfer to CD at time of processing	<b>£1.99</b>	6x8" Prints		1-9 Prints	£4.99
<b>120 Film Developing and Printing</b>		1-9 Prints	99p	10-19 Prints	£4.20
5x4" up to 15 Exposure	<b>£7.99</b>	10-19 Prints	85p	20-29 Prints	£3.69
5x7" up to 15 Exposure	<b>£10.99</b>	20-29 Prints	65p	30-49 Prints	£2.99
8x6" up to 15 Exposure	<b>£15.99</b>	30-49 Prints	50p	50+ Prints	£2.49
10x8" up to 15 Exposure	<b>£19.99</b>	50+ Prints	35p		

**In-Store On-Line Mail Order**

## Accessories

**BENBO**

Trekker Mk3



**TRIPODS**



FULL RANGE  
AVAILABLE FROM  
OUR  
**e-shop**



www.patersonphotographic.com

**PEAKPHOTO**  
Workshops

## Large Format Landscape Workshops



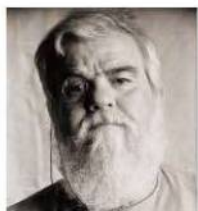
### Win a place...

on our November 13th Introduction to Large Format workshop with all equipment provided, visit our website to find out more!

One day and weekend workshops throughout the year

**www.largeformatworkshops.co.uk**





# ROGER HICKS

**When it comes to producing cameras, is it possible that manufacturers have some idea of what they are doing?**

**HERE'S** an idea that flies in the face of internet opinion: it is entirely possible that the majority of photographic manufacturers actually have some idea of what they are doing. More idea, anyway, than those who 'redesign' cameras via Adobe Photoshop, and then complain that the manufacturers don't build the cameras they have drawn with all the extra features they have listed. Consider, after all, how manufacturers manage to stay in business: by selling people what they want at a price they can afford.

Admittedly, I've been guilty myself of trying to tell camera manufacturers their business. For example, I can't see why so many digital compacts dispense with optical viewfinders. Holding a camera at arm's length is rarely, in my view, a good way to take a picture. Of course, there are times when it's useful: holding the camera above your head, over a stairwell or whatever. But the vast majority of the time, I want a picture of what my eye sees, from where my eye sees it – in my head and not at the end of my arm.

Or, for another example, many years ago I was very nearly thrown out of a press launch. It was for a 'professional' 35mm SLR, in the days when they were getting bigger and bigger. This one was huge. When they'd finished telling me about it, I said, 'Well, actually, I prefer smaller, lighter cameras, so I use medium format.' They were less than overjoyed.

The answer, though, is that I shouldn't take myself too seriously. If I don't want that sort of camera, I don't have to buy one. I can find one that does what I want, the way I want it. It will probably cost more, but that's the price you pay for getting the product you actually want.

Except, of course, that another Internet Angry Brigade immediately emerges, whingeing and snivelling that they don't want to pay the price – a surprising number of people seem to feel that they have a God-given right to buy whatever they want, at whatever price they want to pay. Something well made, with proper quality control and repairable will cost more than something that is glued together in China. But the 'I want it cheaper' brigade doesn't care that there are other people who would rather have something of better quality, even if it costs a bit more.

What really prompted this little tirade, though, is the complete and utter technical ignorance of so many people who demand so many things. Now, I am pretty technically ignorant when it comes to electronics, but I know, for example, that there is a fairly direct correlation between LCD size and power consumption, for a given resolution and a given technology. I also suspect (on good grounds) that increasing the resolution increases power consumption, and I am absolutely confident that

bigger, higher-resolution screens need more processing power, and that more processing power entails more problems with heat dissipation. In other words, even if the battery doesn't go flat unacceptably quickly, the electronics may well overheat.

Moore's Law is, of course, relevant. It states that the cost of chips halves every couple of years for the same performance, but implicit in the same law is an increase in efficiency – that is, longer battery life and less heat to dissipate. Nor should improvements in the batteries themselves be neglected – energy densities climb steadily, and self-discharge rates fall. But at any one time, battery life and heat dissipation are powerful constraints on what can be built into a camera.

So are mark-ups. Time and again, people say, 'But it would only cost £1 to add this.' Well, often they're flatly wrong about the factory cost. The component may cost £1, but fitting it may well add another £1, so that's £2, and then the mark-ups are the killer. There's an old rule of thumb that the final selling price is likely to be about five times the factory's manufacturing cost, so there's £10 on the retail price. Trivial? Yes, but it's a cut-throat market, which takes us back to the 'I want it cheaper' brigade.

People quite often say they want something, and that they are willing to pay for it, then fail to put their money where their mouth is. Separating what they really want, and are willing to pay for, from what they say they want is a non-negligible skill – and probably one of which the manufacturers have more knowledge or experience than I, or than the vast majority of internet fantasists. **AP**

**'Consider, after all, how manufacturers manage to stay in business: by selling people what they want at a price they can afford'**

**Roger Hicks** is a much published author on photography. He has written more than three dozen books on the subject, in partnership with his wife Frances Schultz. He has been a freelance photographer/writer since 1981, contributing to many magazines. Visit his website at [www.rogerandfrances.com](http://www.rogerandfrances.com).

# CONTACTS

## Editorial

Amateur Photographer, IPC Media, Blue Fin Building,  
110 Southwark Street, London SE1 0SU  
Telephone 0203 148 4138 Fax 0203 148 8130  
Email [amateurphotographer@ipcmedia.com](mailto:amateurphotographer@ipcmedia.com)  
Picture returns: Telephone 0203 148 4121  
Email [apicturedesk@ipcmedia.com](mailto:apicturedesk@ipcmedia.com)

## Subscriptions

Telephone 0845 676 7778

## Advertising

Amateur Photographer, IPC Media, Blue Fin Building, 110  
Southwark Street, London SE1 0SU. Telephone: 0203 148 2517  
Email [lee\\_morris@ipcmedia.com](mailto:lee_morris@ipcmedia.com)  
Classified telephone 0203 148 2929. Fax: 0203 148 8158  
Display telephone 0203 148 2517. Fax: 0203 148 8158  
Inserts call Innovator on 0203 148 3710

## Editorial team

Editor	Damien Demolder
Editor's PA	Christine Lay
Art Editor	Mark Jacobs
Production Editor	Lesley Upton
Technical Editor	Angela Nicholson
News Editor	Chris Cheesman
Deputy Production Editor	Breandan Maguire
Deputy Art Editor	Simon Warren
Features Writer	Jeff Meyer
Designer	Antony Green
Technical Writer	Richard Sibley
Features Writer	Gemma Padley
Sub Editor	Oliver Cotton
Technical Writer	Tim Coleman
Photo-Science Consultant	Geoffrey Crawley
Studio Manager	Alan McFadden
Picture Researcher	Rosie Barratt

## Special thanks to

The moderators of the AP website Andrew Robertson, Chris Cool, David J White, Fenris Oswin, Henry Rogers, isadp, Nick Roberts, Richard Hardwick, The Fat Controller

## Advertising team

Group Advertisement Manager	Lee Morris	0203 148 2517
Senior Display Sales Exec	Julia Spencer	0203 148 2637
Senior Display Sales Exec	Simon Gerard	0203 148 2510
Display Sales Executive	Rob Selvey	01922 412 720
Business Development Manager	Dave Stone	0203 148 2516
Classified Sales Executive	Ellie Smith	0203 148 2929
Display Ad Production	John Jones	0203 148 2671

## Marketing and promotions

Senior Marketing Manager	Estelle Hicks-Bennett	0203 148 4321
Online Manager	Karen Sheard	0203 148 4943
SPI Administrator	Charlene Baker	0203 148 4326

## Publishing team

Advertisement Director	Chris Templeman
Group Magazines Editor	Garry Coward-Williams
Publishing Director	Alex Robb alex_robb@ipcmedia.com
Managing Director	Paul Williams

All contributions to Amateur Photographer must be original, not copies or duplicated to other publications. The editor reserves the right to shorten or modify any letter or material submitted. IPC Media or its associated companies reserves the right to re-use any submission sent to the letters column of Amateur Photographer magazine, in any format or medium, WHETHER PRINTED, ELECTRONIC OR OTHERWISE.

Amateur Photographer® is a registered trademark of IPC Media © IPC Media 2009  
Amateur Photographer (Incorporating Photo Technique & Camera Weekly) Email: [amateurphotographer@ipcmedia.com](mailto:amateurphotographer@ipcmedia.com) Website: <http://www.amateurphotographer.co.uk>  
IPC Switchboard tel: 020 3148 5000 Amateur Photographer is published weekly on the Tuesday preceding the cover date by IPC INSPIRE, part of IPC Media Group of Companies. Distributed by Marketforce (UK) Ltd, Blue Fin Building, 110 Southwark Street SE1 0SU. © IPC Media ISSN 0002 6840 © Copyright IPC Media Ltd. No part of this publication may be reproduced, stored in a retrieval or transmitted in any format or medium, whether printed, electronic or otherwise, without the prior written permission of the publisher or the editor. This is considered a breach of copyright and action will be taken where this occurs. This magazine must not be lent, sold, hired or otherwise disposed of in a mutilated condition or in any authorised cover by way, or by trade, or annexed to any publication or advertising matter without first obtaining written permission from the publisher. IPC Media Ltd does not accept responsibility for loss or damage to unsolicited photographs and manuscripts, and product samples. IPC Media reserves the right to use any submissions sent to Amateur Photographer Magazine in any format or medium, including electronic. US agent: Mercury International, 365 Blair Road, Avenel, NJ 07001. Periodicals paid at Rahway, NJ. POSTMASTER: Send address changes to Amateur Photographer, 365 Blair Road, Avenel, NJ 07001.







**Free Delivery to UK Mainland on Cameras/ Printers/ Scanners!**

\*over the value of £50

Canon

## EOS 550D

Understanding Your EOS 550D  
13th August

Capture your story in stunning detail with the EOS 550D. With the creative freedom to capture the decisive shot, see all the detail of your holiday sunset or follow action in the local football match.

- 18 MP APS-C CMOS sensor
- ISO 100-6400, H:12800
- 3.7fps shooting
- Full HD movies

Body Only  
**£629.99**  
+ 18-55mm IS  
**£709.99**

Body SRP £799.99

## SONY α 290



**NEW - DUE THIS SUMMER!**

- 14.2 effective megapixels
- Comfortable handling
- 2.5 frames per second
- 2.7" LCD Screen

For full details, and to place a pre-order, please visit our website

## SONY α 390



**NEW - DUE THIS SUMMER!**

- 14.2 effective megapixels
- Comfortable handling
- 2.5 frames per second
- 2.7" Tilt LCD Screen with Live View

For full details, and to place a pre-order, please visit our website

## SONY make.believe

## NEX-5

Joining the α family, the **NEX-5** teams DSLR quality imaging with the convenience of interchangeable lenses in a sleek new design that slips easily into a jacket pocket or bag. In contrast with conventional DSLR models, the 'mirrorless' construction shrinks the thickness to just 24.2mm (excluding grip and mount) at its slimmest point.



**NEW & NOW IN STOCK!!**

See our website for the latest **LOW PRICES!**

## Panasonic DMC-G2

## DMC-G2



The new TIPA award-winning **Lumix G2** is the world's first compact system camera with touch-screen controls, allowing you to react quickly to your surroundings & take stunning pictures on the go. With a flexible free-angle screen & a range of interchangeable lenses, it gives you D-SLR performance & complete creative freedom - whether you're shooting beautiful stills or HD movies



Up to **£50** Cashback if purchased in-store†

**NOW IN STOCK!!**

See our website for the latest **LOW PRICES!**

### Nikon D90 + 18-105mm VR Compact Digital SLR

The world of photography has changed, and with the D90 in your hands, it's time to make your own rules!

SRP £1,029.99



**Only £771.99**

### Panasonic G1 + 14-45 Interchangeable lens camera

The Panasonic DMC-G1 is a compact & lightweight Digital Camera with interchangeable lenses - ideal for travelling.

Kit SRP £599.99



**From £368.00**

### Canon EOS 7D + 18-135 IS High quality Digital SLR

With an 18MP sensor, 8fps shooting, ISO12800, & Full HD 1080 movies, the 7D offers unprecedented versatility.

SRP £1,999.99



**Only £1,468.99**

### Sony Alpha a550 + 18-55 Compact Digital SLR

Enjoy all the freedom of Quick AF Live View shooting with ultra-fast responses & high quality images.

SRP £759.00



**From £598.99**

### Samsung NX-10 Hybrid Digital Camera

The NX-10, offers the performance and image quality of a DSLR and the portability and convenience of a compact point-and-shoot

SRP £919.99



**From £399.99**

### Canon PIXMA Pro 9500 II High quality A3+ Printer

Produce saleable prints in sizes from 10x15cm up to A3+ and 14" wide media - perfect for exhibiting.

SRP £779.00



**Only £519.99**

### Casio Exilim EX-FH25 High speed compact camera

Shoot stills in slow motions or at high speed with 40 frames per second. Get closer to the action with 20x Optical Zoom!

SRP £399.99



**Only £294.99**

### Ricoh GXR Interchangeable Unit System

A new system where lenses are changed by using a slide-in mount system to attach camera units.

Body SRP £419.99



**From £349.99**

[www.ParkCameras.com/Training](http://www.ParkCameras.com/Training)

## School of Photography

Park Cameras now offer regular courses, seminars and lectures catering for the needs of all photographers across a broad range of photographic disciplines. Our new facilities offer a dedicated training suite providing classroom learning, seminar presentations and hands-on studio opportunities all in one location, meeting the needs of every photographer.

Save up to **£125.00** when you attend a School of Photography Course  
Visit [www.ParkCameras.com/Training](http://www.ParkCameras.com/Training) for details.



**Park Cameras E-Newletter**

- Bespoke Offers • The Latest Products •
  - Cashbacks • Events • Promotions
  - Articles • Product Reviews • Weekly
- Sign up for free at [www.ParkCameras.com/AP](http://www.ParkCameras.com/AP)



[www.ParkCameras.com/AP](http://www.ParkCameras.com/AP)



**01444 23 70 60**

All prices include VAT @ 17.5% Opening times Mon-Sat 8:45-5:45pm; Thursday 8:45-7:30pm; Sunday 10:15-4:30pm. Sunday trading is for in-store only. Store address: York Road, Victoria Business Park, Burgess Hill, West Sussex RH15 9TT. We accept Visa, Mastercard, Switch/Maestro. Figures in Brackets indicates stock level held at unrepeatable prices at time of going to print. All products are UK stock. E&OE. \* = Please mention "Amateur Photographer" for this special price

Prices correct at time of going to press; Prices subject to change; check website for latest prices.

† Cashback on selected Lumix Camera kits if bought in-store before 31st August 2010

[worldmags.com](http://worldmags.com) & [avaxhome.com](http://avaxhome.com)



# TIPA award winning imaging input and output Canon products, available to order now at **Amazon.co.uk/canon**

**Discover an unbroken chain of imaging quality.** By keeping images in a Canon environment you get superior image quality and reliability - every step of the way.

## **EOS 7D**

Designed by you,  
built by Canon



## **PIXMA MP990**

The Wi-Fi All-In-One  
for serious photographers.



## **EOS 550D**

Still or movies, capture your story



## **PowerShot G11**

Capture the exceptional.



### **What are TIPA awards?:**

The Technical Image Press Association (TIPA) is comprised of 29 member photo and imaging magazines from 13 countries. Taking into account innovation, ergonomics, design, ease-of-use, efficiency, price/performance ratio, as well as other guidelines, TIPA editors meet once a year to vote on imaging products to help photo enthusiasts and professionals make the best purchasing choices.

**Canon**

**amazon.co.uk**

**you can**